

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102225\  
 Data File : VY023543.D  
 Acq On : 22 Oct 2025 09:30  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 24 02:25:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 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   | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.840  | 14.3  | 91    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.760  | 16.5  | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.199  | 13.6# | 87    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 42.551  | 14.9  | 92    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.306  | 7.4   | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.307  | 3.4   | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.281  | -0.6  | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.922  | -1.8  | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 59.772  | -19.5 | 108   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 250.315 | -0.1  | 118   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.086  | -2.2# | 101   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 79.353  | 68.3# | 31    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.025  | 4.0   | 94    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.312 | -0.5  | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 240.345 | 3.9   | 108   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.232  | 5.5   | 93    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.225  | -12.5 | 113   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.251  | -6.5  | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.039  | 7.9   | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.921  | -3.8  | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.537  | -1.1  | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 242.046 | 3.2   | 95    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.156  | -2.3  | 101   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 242.629 | 2.9   | 106   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.555  | -5.1  | 103   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.843  | -7.7  | 106   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 43.243  | 13.5  | 91    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 240.938 | 3.6   | 99    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.000  | -6.0# | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.762  | 6.5   | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.741  | -5.5  | 103   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.615  | 8.8   | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.924  | 0.2   | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.436  | -4.9  | 101   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.956  | 2.1   | 99    | 0.01     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.970  | -5.9  | 102   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.949  | -5.9  | 100   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.219  | -6.4  | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.413  | 3.2   | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.247  | -2.5  | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.092  | -0.2  | 100   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.528  | -9.1  | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.216  | -6.4# | 104   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.359  | -8.7  | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.731  | -7.5  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.729  | -3.5  | 99    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 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 | 1042.410 | -4.2   | 103   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.624   | 0.8    | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 263.542  | -5.4   | 103   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.380   | -10.8# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.901   | -9.8   | 106   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.701   | -9.4   | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.478   | -9.0   | 107   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 57.967   | -15.9  | 109   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.594   | -9.2   | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 284.845  | -13.9  | 104   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 271.019  | -8.4   | 108   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.647   | -11.3  | 108   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.233   | -10.5  | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.517   | -1.0   | 98    | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 96    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.127   | -12.3  | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.721   | -7.4   | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.255   | -8.5   | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.584   | -9.2#  | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 110.980  | -11.0  | 105   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.814   | -11.6  | 106   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.380   | -12.8  | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.947   | -9.9   | 110   | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.129   | -12.3  | 106   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.252   | -2.5   | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.112   | -4.2   | 107   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.178   | -0.4   | 97    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.338   | -8.7   | 107   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.123   | -12.2  | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 54.637   | -9.3   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.518   | -13.0  | 106   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.547   | -11.1  | 113   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 54.609   | -9.2   | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 56.518   | -13.0  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.397   | -12.8  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.506   | -13.0  | 106   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.215   | -14.4  | 106   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.089   | -8.2   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.362   | -6.7   | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.385   | -12.8  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.984   | -6.0   | 104   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.613   | -9.2   | 108   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.910   | -3.8   | 105   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.674   | -9.3   | 106   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.717   | -7.4   | 103   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.452   | -14.9  | 111   | 0.00     |

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ALS Vial : 3 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 | 54.237 | -8.5 | 105   | 0.00     |

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