

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\Y110525\  
 Data File : VY023679.D  
 Acq On : 05 Nov 2025 09:25  
 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: Nov 06 03:24:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 05 04:41:50 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  | 44.165  | 11.7  | 100   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.266  | 5.5   | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.767  | 6.5#  | 97    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.161  | 9.7   | 98    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.573  | 2.9   | 99    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.680  | 4.6   | 98    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.677  | 2.6   | 99    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.819  | 2.4   | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.379  | -2.8  | 94    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 258.442 | -3.4  | 118   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.645  | 2.7#  | 98    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 219.724 | 12.1  | 100   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.147  | -2.3  | 101   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 264.100 | -5.6  | 107   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 280.295 | -12.1 | 120   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.092  | 1.8   | 100   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.575  | -13.2 | 120   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.732  | -3.5  | 101   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.952  | 2.1   | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.415  | -0.8  | 99    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.894  | -5.8  | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 266.653 | -6.7  | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.666  | 0.7   | 99    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 269.338 | -7.7  | 113   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.294  | -0.6  | 100   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.413  | -0.8  | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.228  | -0.5  | 102   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 274.030 | -9.6  | 110   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.219  | -0.4# | 100   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.253  | 1.5   | 100   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.453  | 1.1   | 99    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.481  | -1.0  | 101   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.815  | -3.6  | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.139  | -4.3  | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 55.112  | -10.2 | 108   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.336  | -2.7  | 99    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.970  | -5.9  | 98    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.470  | -4.9  | 101   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.049  | -8.1  | 106   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.399  | -4.8  | 102   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.370  | -6.7  | 103   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.562  | -1.1  | 98    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.236  | -6.5# | 102   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.410  | -6.8  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.903  | -5.8  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 57.837  | -15.7 | 107   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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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 | 1082.983 | -8.3  | 104   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.987   | -6.0  | 97    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 281.437  | -12.6 | 108   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.191   | -8.4# | 100   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.652   | -7.3  | 100   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.546   | -7.1  | 100   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.534   | -5.1  | 101   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.048   | -12.1 | 101   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.231   | -6.5  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 275.497  | -10.2 | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 288.225  | -15.3 | 111   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.070   | -6.1  | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.755   | -7.5  | 103   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 54.581   | -9.2  | 99    | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.111   | -0.2  | 96    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.835   | -1.7  | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.895   | -1.8  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.156   | -6.3# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 106.515  | -6.5  | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 53.402   | -6.8  | 98    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.461   | -8.9  | 99    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.822   | -5.6  | 103   | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.244   | -6.5  | 98    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.295   | -6.6  | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.753   | -3.5  | 104   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.337   | -8.7  | 112   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.530   | -3.1  | 98    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.515   | -7.0  | 98    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.938   | -5.9  | 99    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.379   | -8.8  | 99    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.418   | -6.8  | 105   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.382   | -6.8  | 100   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.990   | -6.0  | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.490   | -7.0  | 97    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.345   | -6.7  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.768   | -7.5  | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.311   | -2.6  | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.318   | -0.6  | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.857   | -7.7  | 98    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.983   | -2.0  | 98    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.586   | -3.2  | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.675   | -5.3  | 108   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.739   | -5.5  | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.946   | -1.9  | 97    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.853   | 4.3   | 103   | 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 | 54.491 | -9.0 | 101   | 0.00     |

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