

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112425\  
 Data File : VY023786.D  
 Acq On : 24 Nov 2025 13:25  
 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 26 02:08:49 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    | 90    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.676  | 12.6   | 94    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.475  | -5.0   | 105   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.000  | -2.0#  | 101   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 41.128  | 17.7   | 84    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.332  | 7.3    | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.872  | 0.3    | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.257  | 5.5    | 91    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.738  | -5.5   | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.200  | 1.6    | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 264.009 | -5.6   | 114   | -0.02    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.082  | -2.2#  | 98    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 69.100  | 72.4#  | 30    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 60.633  | -21.3  | 113   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 249.079 | 0.4    | 95    | -0.01    |
| 16 T  | Acetone                     | 250.000 | 239.360 | 4.3    | 97    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 52.266  | -4.5   | 100   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.512  | -1.0   | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.587  | 4.8    | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 53.553  | -7.1   | 108   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.491  | -7.0   | 100   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 60.281  | -20.6  | 108   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 272.314 | -8.9   | 97    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 57.374  | -14.7  | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 235.429 | 5.8    | 94    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 55.147  | -10.3  | 104   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.452  | -4.9   | 97    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 56.772  | -13.5  | 109   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 243.025 | 2.8    | 93    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.764  | -7.5#  | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 56.926  | -13.9  | 109   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.299  | -6.6   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.047  | -0.1   | 95    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 92    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.632  | -3.3   | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.719  | -11.4  | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.538  | 4.9    | 91    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.088  | -4.2   | 98    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 55.120  | -10.2  | 100   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 55.793  | -11.6  | 105   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.788  | 6.4    | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.295  | -0.6   | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.851  | 4.3    | 90    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.118  | 1.8    | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 57.069  | -14.1# | 107   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.789  | 2.4    | 93    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.658  | -7.3   | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.124  | -0.2   | 91    | 0.00     |

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 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 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 | 925.316 | 7.5    | 87    | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 53.796  | -7.6   | 97    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 239.403 | 4.2    | 90    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.834  | -9.7#  | 99    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.271  | -2.5   | 93    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.471  | -6.9   | 97    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.949  | -3.9   | 98    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.299  | -0.6   | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.634  | -9.3   | 102   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 265.976 | -6.4   | 93    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 240.807 | 3.7    | 91    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.204  | -4.4   | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.829  | -1.7   | 95    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 63.090  | -26.2# | 112   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 102   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.216  | 9.6    | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.967  | -1.9   | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.073  | -0.1   | 104   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.274  | -10.5# | 110   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 107.402 | -7.4   | 106   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.356  | -4.7   | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.150  | -4.3   | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 43.036  | 13.9   | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 93    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 59.031  | -18.1  | 106   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.018  | 2.0    | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.615  | -1.2   | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.713  | -9.4   | 110   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.823  | -7.6   | 101   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 59.812  | -19.6  | 107   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 58.649  | -17.3  | 107   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 59.104  | -18.2  | 105   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.270  | 3.5    | 93    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 57.570  | -15.1  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 56.877  | -13.8  | 102   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 58.193  | -16.4  | 103   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.773  | -17.5  | 106   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.041  | -16.1  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.289  | -4.6   | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.065  | -0.1   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.293  | -16.6  | 103   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.701  | -9.4   | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.647  | -1.3   | 95    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 43.404  | 13.2   | 87    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.243  | 1.5    | 90    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.938  | -11.9  | 104   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 41.191  | 17.6   | 85    | 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 | 49.831 | 0.3  | 91    | 0.00     |

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