

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121224\  
 Data File : VY020596.D  
 Acq On : 12 Dec 2024 17:08  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 13 05:43:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 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    | 116   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.053  | 1.9    | 105   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 59.675  | -19.3  | 130   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 59.850  | -19.7# | 129   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 61.129  | -22.3  | 136   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 61.775  | -23.5  | 139   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.471  | -2.9   | 116   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 65.852  | -31.7# | 153   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.141  | -8.3   | 125   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 59.835  | -19.7  | 129   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 340.181 | -36.1# | 156   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 56.418  | -12.8# | 127   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 205.104 | 18.0   | 106   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 57.749  | -15.5  | 132   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 348.680 | -39.5# | 156   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 249.096 | 0.4    | 100   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 55.999  | -12.0  | 116   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 76.618  | -53.2# | 171   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 65.955  | -31.9# | 149   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 63.055  | -26.1# | 146   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 57.325  | -14.7  | 132   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 64.567  | -29.1# | 148   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 301.565 | -20.6  | 133   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 60.367  | -20.7  | 142   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 306.383 | -22.6  | 127   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 40.131  | 19.7   | 94    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 60.795  | -21.6  | 141   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 56.451  | -12.9  | 122   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 351.832 | -40.7# | 152   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 60.029  | -20.1# | 143   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 50.978  | -2.0   | 119   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.261  | -6.5   | 125   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.996  | -8.0   | 114   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 127   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.312  | -2.6   | 118   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.450  | -0.9   | 123   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 62.660  | -25.3# | 153   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.828  | 4.3    | 118   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.667  | 0.7    | 120   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.459  | -8.9   | 136   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 64.364  | -28.7# | 146   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 57.805  | -15.6  | 141   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 64.740  | -29.5# | 155   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.656  | -9.3   | 138   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 57.772  | -15.5# | 149   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 60.920  | -21.8  | 152   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.532  | -15.1  | 147   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 61.888  | -23.8  | 147   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 13 05:43:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 03 01:39:23 2024  
 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 | 1409.540 | -41.0# | 164   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.969   | 4.1    | 110   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 324.443  | -29.8# | 153   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.192   | -8.4#  | 135   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.035   | -10.1  | 135   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.413   | -10.8  | 137   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 60.436   | -20.9  | 150   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 64.773   | -29.5# | 152   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 61.000   | -22.0  | 151   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 299.375  | -19.8  | 122   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 300.833  | -20.3  | 134   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 60.211   | -20.4  | 149   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 61.625   | -23.3  | 152   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.340   | -0.7   | 118   | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 133   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 70.431   | -40.9# | 188   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.655   | -5.3   | 142   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.939   | -7.9   | 147   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.494   | -1.0#  | 135   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.138  | -1.1   | 136   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.865   | -5.7   | 141   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.915   | -7.8   | 143   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 59.369   | -18.7  | 155   | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 137   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.265   | 7.5    | 135   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 62.059   | -24.1  | 163   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.600   | -9.2   | 152   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.274   | 11.5   | 147   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.177   | -2.4   | 147   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.807   | 6.4    | 135   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.900   | 2.2    | 142   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.549   | 4.9    | 137   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.966   | 6.1    | 127   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.481   | 3.0    | 140   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.630   | 4.7    | 139   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.944   | 2.1    | 140   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.037   | 5.9    | 136   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.862   | 4.3    | 137   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.484   | -3.0   | 148   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.265   | -2.5   | 147   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.047   | 3.9    | 137   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.474   | -0.9   | 148   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.756   | -7.5   | 153   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 59.743   | -19.5  | 160   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 58.760   | -17.5  | 161   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.076   | -6.2   | 146   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 67.715   | -35.4# | 173   | 0.00     |

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ALS Vial : 8 Sample Multiplier: 1

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MSVOA\_Y  
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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) |
|------|------------------------|--------|--------|--------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 63.096 | -26.2# | 170   | 0.00     |

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