

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\YY110722\  
 Data File : VY011349.D  
 Acq On : 07 Nov 2022 20:34  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 08 03:31:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 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    | 80    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.792  | 8.4    | 77    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.447  | 13.1   | 75    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.848  | 10.3#  | 76    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.456  | 1.1    | 84    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.386  | 5.2    | 79    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.945  | 4.1    | 79    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 55.372  | -10.7  | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.824  | 0.4    | 81    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 54.779  | -9.6   | 84    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 305.454 | -22.2  | 93    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.997  | 0.0#   | 81    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 226.809 | 9.3    | 78    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.243  | 1.5    | 78    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 290.715 | -16.3  | 91    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 208.065 | 16.8   | 55    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.778  | 6.4    | 76    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.098  | -6.2   | 89    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.491  | -15.0  | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 73.067  | -46.1# | 112   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.551  | -3.1   | 82    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.909  | -5.8   | 82    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 278.551 | -11.4  | 83    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.255  | -2.5   | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 252.113 | -0.8   | 74    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.447  | 7.1    | 76    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.514  | -9.0   | 86    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.712  | -7.4   | 81    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 291.460 | -16.6  | 89    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.365  | -6.7#  | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.819  | 8.4    | 74    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.502  | -3.0   | 82    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.199  | -0.4   | 83    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 80    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.972  | -5.9   | 85    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.464  | -0.9   | 79    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 56.030  | -12.1  | 89    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.861  | -3.7   | 82    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.885  | -1.8   | 78    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.926  | -5.9   | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.687  | 0.6    | 74    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.945  | -9.9   | 86    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 56.015  | -12.0  | 86    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.275  | -8.5   | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.225  | -6.5#  | 83    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 57.408  | -14.8  | 90    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.527  | -11.1  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 55.714  | -11.4  | 83    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\YY110722\  
 Data File : VY011349.D  
 Acq On : 07 Nov 2022 20:34  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 08 03:31:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 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 | 1340.148 | -34.0# | 97    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.803   | 0.4    | 81    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 295.457  | -18.2  | 88    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.744   | -9.5#  | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.929   | -11.9  | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.948   | -9.9   | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.928   | -15.9  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 60.920   | -21.8  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 57.150   | -14.3  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 282.747  | -13.1  | 86    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 288.639  | -15.5  | 81    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 58.641   | -17.3  | 91    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 59.212   | -18.4  | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.689   | -7.4   | 84    | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 81    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.473   | -12.9  | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.907   | -9.8   | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.795   | -11.6  | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.085   | -8.2#  | 84    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 109.617  | -9.6   | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.507   | -13.0  | 87    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.885   | -13.8  | 86    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 60.333   | -20.7  | 95    | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 83    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.204   | -6.4   | 84    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 54.243   | -8.5   | 84    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 56.099   | -12.2  | 93    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.608   | -5.2   | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 55.932   | -11.9  | 92    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.271   | -4.5   | 83    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.689   | -5.4   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.259   | -8.5   | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.899   | -7.8   | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.089   | -6.2   | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.146   | -8.3   | 86    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.958   | -9.9   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.285   | -6.6   | 84    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.378   | -8.8   | 86    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.744   | -9.5   | 89    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 54.807   | -9.6   | 89    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.729   | -5.5   | 83    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.200   | -4.4   | 85    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 55.792   | -11.6  | 90    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 56.314   | -12.6  | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 57.126   | -14.3  | 89    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.689   | -9.4   | 87    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.761   | -7.5   | 91    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110722\  
Data File : VY011349.D  
Acq On : 07 Nov 2022 20:34  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 08 03:31:57 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 01 11:56:18 2022  
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 | 58.223 | -16.4 | 90    | 0.00     |

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