

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011923\  
 Data File : VY012253.D  
 Acq On : 19 Jan 2023 09:48  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 20 03:21:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 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   | 119   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.214  | 13.6  | 121   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.944  | 6.1   | 122   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.642  | 4.7#  | 123   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.488  | 5.0   | 123   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.187  | 3.6   | 122   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.459  | 7.1   | 120   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.825  | 2.3   | 122   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.551  | 0.9   | 129   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.716  | 8.6   | 108   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 239.886 | 4.0   | 122   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.356  | 1.3#  | 123   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 188.248 | 24.7  | 106   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.898  | -3.8  | 129   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.554 | -0.6  | 122   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 274.556 | -9.8  | 118   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.283  | 1.4   | 124   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.344  | -0.7  | 124   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.116  | 1.8   | 117   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 43.596  | 12.8  | 108   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 50.437  | -0.9  | 124   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.595  | -5.2  | 129   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 255.761 | -2.3  | 122   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.370  | -2.7  | 126   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 267.267 | -6.9  | 124   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.608  | 2.8   | 121   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.140  | -0.3  | 122   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.385  | 5.2   | 121   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 255.040 | -2.0  | 120   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.436  | 1.1#  | 121   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.292  | 3.4   | 132   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.870  | 4.3   | 118   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.762  | 4.5   | 115   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 117   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.221  | 3.6   | 124   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.109  | -0.2  | 124   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.082  | -0.2  | 119   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.764  | 4.5   | 118   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.847  | -1.7  | 127   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.498  | -1.0  | 124   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.185  | -6.4  | 121   | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.367  | 3.3   | 115   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.111  | -0.2  | 118   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.118  | -0.2  | 123   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.417  | -6.8# | 130   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.337  | -0.7  | 120   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.039  | -0.1  | 120   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.062  | -0.1  | 113   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011923\  
 Data File : VY012253.D  
 Acq On : 19 Jan 2023 09:48  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 20 03:21:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 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 | 1003.259 | -0.3  | 113   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.172   | -0.3  | 121   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 254.623  | -1.8  | 118   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.400   | -0.8# | 122   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.902   | 0.2   | 118   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.748   | -1.5  | 121   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.892   | -1.8  | 121   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.016   | -4.0  | 119   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.397   | -2.8  | 122   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 237.068  | 5.2   | 115   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 265.753  | -6.3  | 118   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.822   | 0.4   | 116   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.237   | -0.5  | 119   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.499   | 7.0   | 122   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 116   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.505   | -7.0  | 126   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.851   | 0.3   | 120   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.179   | -2.4  | 119   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.582   | -1.2# | 120   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.561  | -1.6  | 120   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.327   | -0.7  | 119   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.220   | -2.4  | 119   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.926   | 0.1   | 115   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 112   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.018   | -4.0  | 120   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.803   | -1.6  | 112   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.785   | -1.6  | 115   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.896   | 6.2   | 95    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.417   | -2.8  | 117   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.408   | -2.8  | 120   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.246   | -2.5  | 119   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.282   | -2.6  | 119   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.148   | -4.3  | 115   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.352   | -0.7  | 118   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.987   | -2.0  | 121   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.240   | -2.5  | 117   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.718   | -1.4  | 119   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.438   | -0.9  | 118   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.068   | -0.1  | 116   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.736   | 0.5   | 116   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.080   | -2.2  | 120   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.134   | -0.3  | 118   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.191   | 1.6   | 114   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.269   | 3.5   | 109   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.025   | 4.0   | 114   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.708   | 2.6   | 118   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.308   | 5.4   | 107   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011923\  
Data File : VY012253.D  
Acq On : 19 Jan 2023 09:48  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Jan 20 03:21:29 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
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 | 46.945 | 6.1  | 112   | 0.00     |

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