

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062022\  
 Data File : VY009237.D  
 Acq On : 20 Jun 2022 11:03  
 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: Jun 21 08:11:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061522S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 16 02:54:06 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    | 113   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.911  | 14.2   | 107   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.380  | 13.2   | 103   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.453  | 11.1#  | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 43.028  | 13.9   | 102   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.627  | 6.7    | 104   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.214  | 5.6    | 112   | 0.01     |
| 8 T   | Diethyl Ether               | 50.000  | 48.948  | 2.1    | 111   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.935  | 2.1    | 113   | 0.01     |
| 10 T  | Methyl Iodide               | 50.000  | 50.269  | -0.5   | 108   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 179.003 | 28.4#  | 116   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.066  | 1.9#   | 112   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 313.642 | -25.5# | 153   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.294  | 1.4    | 109   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 257.174 | -2.9   | 114   | 0.01     |
| 16 T  | Acetone                     | 250.000 | 300.911 | -20.4  | 148   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.893  | 4.2    | 107   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.755  | 0.5    | 114   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.095  | -2.2   | 114   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.053  | 5.9    | 108   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.676  | 0.6    | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.459  | 1.1    | 109   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 260.954 | -4.4   | 109   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.202  | 1.6    | 109   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 272.887 | -9.2   | 122   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.441  | -0.9   | 115   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.490  | 1.0    | 108   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.003  | -2.0   | 110   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 249.356 | 0.3    | 109   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.802  | 2.4#   | 108   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.494  | 7.0    | 105   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.640  | 2.7    | 107   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.505  | 1.0    | 113   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 113   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.452  | -2.9   | 113   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.907  | 2.2    | 104   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.545  | 0.9    | 109   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.011  | 2.0    | 107   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.072  | -0.1   | 106   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.685  | 2.6    | 106   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.240  | -0.5   | 98    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.405  | 3.2    | 107   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.465  | 1.1    | 109   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.250  | 3.5    | 106   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.718  | 2.6#   | 104   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.556  | 0.9    | 107   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.663  | 2.7    | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.701  | -1.4   | 107   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062022\  
 Data File : VY009237.D  
 Acq On : 20 Jun 2022 11:03  
 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: Jun 21 08:11:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061522S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 16 02:54:06 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 | 981.318 | 1.9  | 104   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.802  | 0.4  | 110   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 247.432 | 1.0  | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.873  | 4.3# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.347  | 1.3  | 107   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.926  | 0.1  | 108   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.506  | 1.0  | 106   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 49.724  | 0.6  | 105   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.628  | 0.7  | 107   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 236.915 | 5.2  | 107   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 256.176 | -2.5 | 114   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.525  | 3.0  | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.253  | 1.5  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.481  | 1.0  | 112   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 110   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.955  | 0.1  | 105   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.629  | 2.7  | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 48.592  | 2.8  | 104   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.691  | 2.6# | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 95.589  | 4.4  | 102   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.199  | 3.6  | 102   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 47.767  | 4.5  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.328  | 3.3  | 104   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 109   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.888  | 0.2  | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.543  | 2.9  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.567  | 0.9  | 106   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.581  | -5.2 | 115   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.272  | 3.5  | 102   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.558  | 0.9  | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.116  | 1.8  | 103   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.634  | 0.7  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.460  | 1.1  | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.171  | 1.7  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.126  | 1.7  | 101   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.619  | 0.8  | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.623  | 0.8  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.301  | 1.4  | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.249  | 3.5  | 103   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.990  | 4.0  | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.729  | 2.5  | 102   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.835  | 0.3  | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.544  | 2.9  | 101   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.867  | 2.3  | 101   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.905  | 4.2  | 97    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.970  | 4.1  | 100   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.321  | -0.6 | 100   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062022\  
Data File : VY009237.D  
Acq On : 20 Jun 2022 11:03  
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: Jun 21 08:11:34 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061522S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 16 02:54:06 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 | 48.259 | 3.5  | 98    | 0.00     |

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