

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051922\  
 Data File : VY008885.D  
 Acq On : 19 May 2022 22:43  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 20 02:55:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 07:32:50 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   | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.361  | 1.3   | 104   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.338  | -4.7  | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.741  | 2.5#  | 96    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.317  | -4.6  | 118   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.475  | 3.0   | 99    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.799  | 4.4   | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.465  | -4.9  | 118   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.316  | -2.6  | 104   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.378  | 9.2   | 99    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 240.131 | 3.9   | 106   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.487  | 11.0# | 103   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 108.907 | 56.4# | 70    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.284  | 7.4   | 106   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 235.037 | 6.0   | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 237.833 | 4.9   | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.106  | 5.8   | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.428  | 5.1   | 103   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 58.175  | -16.3 | 127   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 57.351  | -14.7 | 117   | 0.01     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.106  | 5.8   | 107   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 60.336  | -20.7 | 130   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 290.688 | -16.3 | 121   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.064  | -4.1  | 116   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 243.267 | 2.7   | 104   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.990  | 6.0   | 104   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.187  | -2.4  | 114   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.283  | -6.6  | 112   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 246.937 | 1.2   | 105   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.851  | -7.7# | 118   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.375  | -4.8  | 110   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.726  | -1.5  | 111   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 59.305  | -18.6 | 113   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 112   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.503  | -3.0  | 110   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.641  | 10.7  | 107   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 45.143  | 9.7   | 109   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.189  | 9.6   | 108   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.127  | 5.7   | 110   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.875  | 0.3   | 116   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 45.918  | 8.2   | 109   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.893  | -3.8  | 122   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.697  | -5.4  | 120   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.840  | 6.3   | 110   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.940  | -7.9# | 124   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.406  | -2.8  | 122   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.768  | -7.5  | 125   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.607  | -3.2  | 116   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051922\  
 Data File : VY008885.D  
 Acq On : 19 May 2022 22:43  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 20 02:55:48 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051722S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 18 07:32:50 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 | 913.867 | 8.6   | 102   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.452  | 3.1   | 108   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 256.769 | -2.7  | 114   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.782  | -5.6# | 117   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.907  | -11.8 | 124   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.346  | -6.7  | 123   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.617  | -11.2 | 125   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 60.226  | -20.5 | 130   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.520  | -9.0  | 124   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 271.387 | -8.6  | 117   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 254.371 | -1.7  | 109   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.313  | -12.6 | 128   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.822  | -7.6  | 121   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.009  | -2.0  | 117   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 116   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.697  | 6.6   | 116   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.908  | 0.2   | 120   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.333  | -6.7  | 127   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.722  | -1.4# | 118   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.521 | -5.5  | 118   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 54.852  | -9.7  | 123   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.610  | -15.2 | 125   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.489  | -9.0  | 127   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 117   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.474  | 7.1   | 120   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 50.811  | -1.6  | 129   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.371  | 7.3   | 125   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.216  | 9.6   | 122   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.022  | 6.0   | 126   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.139  | 5.7   | 119   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.138  | 3.7   | 122   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.879  | 0.2   | 120   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.547  | 12.9  | 109   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.827  | 0.3   | 120   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.447  | 1.1   | 120   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.399  | -2.8  | 123   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.038  | -0.1  | 120   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.545  | -3.1  | 120   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.952  | 0.1   | 123   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.467  | -0.9  | 122   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.747  | 2.5   | 116   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.275  | -0.5  | 126   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.542  | -3.1  | 125   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 41.512  | 17.0  | 109   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.433  | 3.1   | 124   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.498  | 11.0  | 117   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.806  | 4.4   | 120   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051922\  
Data File : VY008885.D  
Acq On : 19 May 2022 22:43  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: May 20 02:55:48 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051722S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 18 07:32:50 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 | 48.747 | 2.5  | 125   | 0.00     |

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