

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\Y110821\  
 Data File : VY006669.D  
 Acq On : 08 Nov 2021 10:30  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 08 17:52:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 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    | 100   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.928  | 10.1   | 87    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.623  | 0.8    | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.360  | 3.3#   | 94    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.749  | 8.5    | 99    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.450  | 5.1    | 97    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.800  | -3.6   | 104   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.680  | 0.6    | 98    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.038  | -6.1   | 107   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.806  | 2.4    | 105   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 192.210 | 23.1   | 78    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.159  | -4.3#  | 104   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 222.868 | 10.9   | 97    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 57.848  | -15.7  | 114   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 246.179 | 1.5    | 97    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 255.275 | -2.1   | 91    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.381  | -2.8   | 99    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.858  | 0.3    | 100   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.118  | -0.2   | 99    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.106  | -2.2   | 102   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.297  | -4.6   | 104   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 59.706  | -19.4  | 120   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 277.144 | -10.9  | 107   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 56.525  | -13.0  | 114   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 246.176 | 1.5    | 91    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.545  | -7.1   | 108   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 53.266  | -6.5   | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.217  | -4.4   | 116   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 241.036 | 3.6    | 93    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.821  | -5.6#  | 108   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 52.438  | -4.9   | 109   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.506  | -5.0   | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.163  | 1.7    | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 55.917  | -11.8  | 107   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.646  | -11.3  | 107   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.615  | -1.2   | 93    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.564  | -9.1   | 105   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.082  | -12.2  | 106   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 55.930  | -11.9  | 108   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.363  | -8.7   | 106   | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.049  | -2.1   | 99    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 49.735  | 0.5    | 94    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.462  | -8.9   | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 59.269  | -18.5# | 117   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.349  | -6.7   | 103   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.820  | -9.6   | 107   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.459  | -6.9   | 100   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\YV110821\  
 Data File : VY006669.D  
 Acq On : 08 Nov 2021 10:30  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 08 17:52:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 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 | 848.749 | 15.1   | 80    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.607  | -7.2   | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 270.316 | -8.1   | 100   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.947  | -7.9#  | 102   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.798  | -7.6   | 102   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.839  | -11.7  | 107   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.187  | -4.4   | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.343  | -6.7   | 100   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.064  | -8.1   | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.302 | -3.3   | 103   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 280.407 | -12.2  | 100   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.371  | -2.7   | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.365  | -4.7   | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.951  | -7.9   | 102   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 58.098  | -16.2  | 106   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.909  | -9.8   | 103   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.087  | -8.2   | 102   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 56.656  | -13.3# | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 113.016 | -13.0  | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.529  | -11.1  | 103   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.700  | -11.4  | 101   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.888  | 0.2    | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 91    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 58.555  | -17.1  | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 57.182  | -14.4  | 99    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 52.044  | -4.1   | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.840  | -9.7   | 90    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.539  | -9.1   | 98    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 59.553  | -19.1  | 105   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 59.081  | -18.2  | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 58.536  | -17.1  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.158  | -8.3   | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 58.752  | -17.5  | 104   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 58.342  | -16.7  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 57.500  | -15.0  | 102   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.990  | -18.0  | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.783  | -15.6  | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.786  | -9.6   | 99    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 54.524  | -9.0   | 98    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 59.462  | -18.9  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 60.360  | -20.7  | 109   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.801  | -7.6   | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 42.720  | 14.6   | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.800  | -9.6   | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 58.253  | -16.5  | 106   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.014  | 4.0    | 84    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110821\  
Data File : VY006669.D  
Acq On : 08 Nov 2021 10:30  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 08 17:52:33 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 23 06:59:04 2021  
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 | 47.163 | 5.7  | 85    | 0.00     |

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