

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122123\  
 Data File : VY016754.D  
 Acq On : 21 Dec 2023 11:16  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 22 00:42:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122023S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 21 01:49:45 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   | 89    | 0.01     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.952  | 4.1   | 103   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.532  | -5.1  | 112   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 53.553  | -7.1# | 108   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.051  | -4.1  | 112   | 0.01     |
| 6 T   | Chloroethane                | 50.000  | 52.377  | -4.8  | 108   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.062  | -6.1  | 108   | 0.01     |
| 8 T   | Diethyl Ether               | 50.000  | 49.911  | 0.2   | 99    | 0.01     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.587  | -7.2  | 108   | 0.02     |
| 10 T  | Methyl Iodide               | 50.000  | 52.410  | -4.8  | 100   | 0.01     |
| 11 T  | Tert butyl alcohol          | 250.000 | 185.835 | 25.7# | 76    | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.861  | -9.7# | 108   | 0.01     |
| 13 T  | Acrolein                    | 250.000 | 227.742 | 8.9   | 77    | 0.01     |
| 14 T  | Allyl chloride              | 50.000  | 55.349  | -10.7 | 107   | 0.01     |
| 15 T  | Acrylonitrile               | 250.000 | 242.816 | 2.9   | 90    | 0.02     |
| 16 T  | Acetone                     | 250.000 | 206.635 | 17.3  | 92    | 0.01     |
| 17 T  | Carbon Disulfide            | 50.000  | 56.545  | -13.1 | 108   | 0.01     |
| 18 T  | Methyl Acetate              | 50.000  | 51.671  | -3.3  | 88    | 0.01     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.029  | -0.1  | 97    | 0.02     |
| 20 T  | Methylene Chloride          | 50.000  | 49.745  | 0.5   | 104   | 0.02     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 55.966  | -11.9 | 109   | 0.01     |
| 22 T  | Diisopropyl ether           | 50.000  | 55.758  | -11.5 | 107   | 0.02     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.196 | -0.1  | 97    | 0.01     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.767  | -9.5  | 108   | 0.02     |
| 25 T  | 2-Butanone                  | 250.000 | 215.478 | 13.8  | 89    | 0.02     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 54.756  | -9.5  | 111   | 0.02     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.805  | -9.6  | 107   | 0.01     |
| 28 T  | Bromochloromethane          | 50.000  | 51.124  | -2.2  | 82    | 0.01     |
| 29 T  | Tetrahydrofuran             | 250.000 | 243.426 | 2.6   | 88    | 0.01     |
| 30 C  | Chloroform                  | 50.000  | 54.472  | -8.9# | 108   | 0.01     |
| 31 T  | Cyclohexane                 | 50.000  | 53.238  | -6.5  | 109   | 0.01     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.126  | -8.3  | 108   | 0.01     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 42.956  | 14.1  | 66    | 0.01     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 43.824  | 12.4  | 68    | 0.01     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 54.658  | -9.3  | 108   | 0.01     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.352  | 3.3   | 90    | 0.01     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.574  | -9.1  | 109   | 0.01     |
| 39 T  | Methylcyclohexane           | 50.000  | 57.114  | -14.2 | 110   | 0.01     |
| 40 TM | Benzene                     | 50.000  | 55.260  | -10.5 | 109   | 0.01     |
| 41 T  | Methacrylonitrile           | 50.000  | 44.916  | 10.2  | 76    | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.733  | -5.5  | 101   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.159  | 3.7   | 92    | 0.01     |
| 44 TM | Trichloroethene             | 50.000  | 54.956  | -9.9  | 109   | 0.01     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.609  | -9.2# | 108   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.123  | -4.2  | 102   | 0.01     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.849  | -7.7  | 107   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.180  | -2.4  | 95    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122123\  
 Data File : VY016754.D  
 Acq On : 21 Dec 2023 11:16  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 22 00:42:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122023S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 21 01:49:45 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 | 994.301 | 0.6    | 93    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 45.628  | 8.7    | 70    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 243.191 | 2.7    | 90    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 56.245  | -12.5# | 109   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.706  | -5.4   | 100   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.245  | -8.5   | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.540  | -3.1   | 101   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.634  | -5.3   | 96    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.472  | -2.9   | 99    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 287.316 | -14.9  | 75    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 227.899 | 8.8    | 90    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.676  | -5.4   | 103   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.640  | -1.3   | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 43.753  | 12.5   | 68    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.396  | -6.8   | 107   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.670  | -9.3   | 108   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.268  | -6.5   | 105   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 56.282  | -12.6# | 110   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 112.516 | -12.5  | 109   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.503  | -13.0  | 108   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.798  | -11.6  | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.357  | 1.3    | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 58.687  | -17.4  | 109   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.196  | -0.4   | 92    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.599  | 0.8    | 94    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.145  | 1.7    | 104   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 55.633  | -11.3  | 105   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 59.038  | -18.1  | 109   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 57.114  | -14.2  | 107   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 58.549  | -17.1  | 108   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.906  | 0.2    | 94    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 56.805  | -13.6  | 107   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 58.342  | -16.7  | 107   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 58.638  | -17.3  | 107   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.547  | -17.1  | 109   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.529  | -17.1  | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 55.085  | -10.2  | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 54.448  | -8.9   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 59.099  | -18.2  | 108   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 55.422  | -10.8  | 108   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.927  | -7.9   | 101   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.313  | 9.4    | 86    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.660  | -9.3   | 100   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 56.483  | -13.0  | 105   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.405  | 9.2    | 90    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122123\  
Data File : VY016754.D  
Acq On : 21 Dec 2023 11:16  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Dec 22 00:42:34 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122023S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 21 01:49:45 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 | 52.971 | -5.9 | 95    | 0.00     |

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