

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062123\  
 Data File : VY014327.D  
 Acq On : 21 Jun 2023 10:29  
 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 22 01:55:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 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    | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.898  | 0.2    | 99    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.250  | 11.5   | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.974  | 6.1#   | 94    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 39.767  | 20.5   | 88    | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 43.828  | 12.3   | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.160  | -6.3   | 106   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.876  | -1.8   | 104   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 55.346  | -10.7  | 107   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.412  | 3.2    | 92    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 419.991 | -68.0# | 172   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.053  | -2.1#  | 102   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 301.156 | -20.5  | 115   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.892  | 0.2    | 98    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 317.830 | -27.1# | 129   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 305.365 | -22.1  | 139   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.082  | 5.8    | 95    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 60.649  | -21.3  | 130   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.811  | -9.6   | 105   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.293  | -4.6   | 100   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.761  | -3.5   | 100   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.346  | -6.7   | 104   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 284.637 | -13.9  | 111   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.532  | -3.1   | 103   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 345.388 | -38.2# | 149   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.091  | -6.2   | 107   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.641  | -5.3   | 106   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.732  | -1.5   | 107   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 342.631 | -37.1# | 144   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.812  | -5.6#  | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 54.142  | -8.3   | 110   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.471  | -8.9   | 109   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.729  | 4.5    | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.887  | -7.8   | 107   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.743  | -11.5  | 106   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 62.650  | -25.3# | 123   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 57.544  | -15.1  | 109   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 59.310  | -18.6  | 109   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.015  | -8.0   | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 66.851  | -33.7# | 147   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.299  | -8.6   | 107   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 61.233  | -22.5  | 119   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 55.420  | -10.8  | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 53.851  | -7.7#  | 104   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.646  | -11.3  | 110   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.224  | -10.4  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 63.592  | -27.2# | 124   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062123\  
 Data File : VY014327.D  
 Acq On : 21 Jun 2023 10:29  
 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 22 01:55:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 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 | 1448.633 | -44.9# | 138   | -0.02    |
| 50 S  | Toluene-d8                  | 50.000   | 48.475   | 3.0    | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 340.232  | -36.1# | 133   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.606   | -11.2# | 106   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.860   | -11.7  | 107   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.787   | -9.6   | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 58.095   | -16.2  | 113   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 61.540   | -23.1  | 114   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.798   | -13.6  | 109   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 310.951  | -24.4  | 125   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 349.562  | -39.8# | 139   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 58.602   | -17.2  | 114   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 58.311   | -16.6  | 114   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 57.614   | -15.2  | 117   | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 60.310   | -20.6  | 121   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.089   | -6.2   | 107   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.775   | -7.5   | 107   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.391   | -10.8# | 108   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.071  | -11.1  | 109   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.541   | -11.1  | 108   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.346   | -12.7  | 110   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 59.192   | -18.4  | 120   | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 108   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.688   | -7.4   | 110   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 57.922   | -15.8  | 122   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 56.511   | -13.0  | 123   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.177   | -6.4   | 108   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.800   | -1.6   | 107   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.325   | -8.7   | 112   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.731   | -5.5   | 112   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.844   | -7.7   | 111   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 58.900   | -17.8  | 124   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.032   | -4.1   | 109   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.980   | -10.0  | 114   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.608   | -9.2   | 113   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 55.856   | -11.7  | 114   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 54.742   | -9.5   | 112   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.052   | -4.1   | 111   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.709   | -3.4   | 112   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 55.636   | -11.3  | 115   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.269   | -6.5   | 114   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.220   | -6.4   | 114   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 60.388   | -20.8  | 142   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.849   | -7.7   | 116   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.055   | -8.1   | 114   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 60.120   | -20.2  | 130   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062123\  
Data File : VY014327.D  
Acq On : 21 Jun 2023 10:29  
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 22 01:55:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 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 | 54.116 | -8.2 | 119   | 0.00     |

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