

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071024\  
 Data File : VY018771.D  
 Acq On : 10 Jul 2024 17:01  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 11 02:26:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 14:28:51 2024  
 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    | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.251  | 7.5    | 79    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.146  | 5.7    | 84    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.572  | 4.9#   | 83    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.814  | 8.4    | 89    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.910  | 6.2    | 86    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.355  | 7.3    | 80    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.074  | -0.1   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.546  | 4.9    | 82    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.826  | 0.3    | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 169.616 | 32.2#  | 83    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.805  | 6.4#   | 84    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 201.652 | 19.3   | 80    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.214  | 1.6    | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 257.813 | -3.1   | 93    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 198.884 | 20.4   | 74    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.613  | 6.8    | 81    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 62.767  | -25.5# | 124   | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.874  | -1.7   | 90    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.464  | -2.9   | 90    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.251  | 3.5    | 86    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.897  | 2.2    | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 238.215 | 4.7    | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.121  | 1.8    | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 235.085 | 6.0    | 86    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 39.427  | 21.1   | 71    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.899  | 2.2    | 90    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 51.284  | -2.6   | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 265.432 | -6.2   | 94    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.148  | -0.3#  | 92    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.174  | 11.7   | 81    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.448  | 5.1    | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.152  | -6.3   | 92    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.157  | -4.3   | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.097  | 9.8    | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.876  | 4.2    | 86    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 44.583  | 10.8   | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 45.383  | 9.2    | 82    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.465  | 5.1    | 90    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 43.871  | 12.3   | 89    | -0.03    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.681  | 2.6    | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.374  | 3.3    | 90    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.543  | 6.9    | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.536  | 2.9#   | 92    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.052  | -0.1   | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 47.867  | 4.3    | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.065  | -0.1   | 92    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071024\  
 Data File : VY018771.D  
 Acq On : 10 Jul 2024 17:01  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 11 02:26:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 09 14:28:51 2024  
 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 | 943.232 | 5.7  | 87    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.548  | 0.9  | 87    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.651 | -0.7 | 91    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 46.344  | 7.3# | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.960  | 4.1  | 90    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.375  | 5.3  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.648  | -1.3 | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 49.285  | 1.4  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.361  | -0.7 | 94    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 259.064 | -3.6 | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 243.823 | 2.5  | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.968  | 2.1  | 91    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.481  | 1.0  | 90    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.558  | 0.9  | 90    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.807  | 4.4  | 90    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.582  | 6.8  | 90    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 47.050  | 5.9  | 91    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 45.208  | 9.6# | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 90.117  | 9.9  | 86    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 46.776  | 6.4  | 89    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 46.428  | 7.1  | 89    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.069  | 1.9  | 92    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 101   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 44.638  | 10.7 | 84    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 46.329  | 7.3  | 83    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.815  | 4.4  | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.908  | 2.2  | 101   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.379  | 7.2  | 90    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 44.172  | 11.7 | 84    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.110  | 9.8  | 88    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 44.847  | 10.3 | 85    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.822  | 10.4 | 81    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 43.960  | 12.1 | 85    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 44.954  | 10.1 | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 45.080  | 9.8  | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 44.270  | 11.5 | 82    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 43.969  | 12.1 | 83    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 45.007  | 10.0 | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 44.845  | 10.3 | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 43.188  | 13.6 | 80    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 44.466  | 11.1 | 84    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 45.633  | 8.7  | 89    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.435  | 3.1  | 86    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 44.270  | 11.5 | 81    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 42.073  | 15.9 | 76    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.111  | 1.8  | 88    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071024\  
Data File : VY018771.D  
Acq On : 10 Jul 2024 17:01  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 11 02:26:22 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 09 14:28:51 2024  
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 | 46.260 | 7.5  | 85    | 0.00     |

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