

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
 Data File : VY004888.D  
 Acq On : 26 May 2021 15:49  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 27 01:16:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 04:13:44 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   | 131   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.057  | 5.9   | 122   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.611  | 14.8  | 116   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 39.712  | 20.6# | 108   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.849  | 4.3   | 127   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 42.604  | 14.8  | 111   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.800  | 4.4   | 124   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.124  | -6.2  | 143   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.632  | -1.3  | 133   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 40.694  | 18.6  | 103   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 274.452 | -9.8  | 165   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.181  | -4.4# | 135   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 190.701 | 23.7  | 104   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.693  | -1.4  | 131   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 272.673 | -9.1  | 146   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 266.155 | -6.5  | 145   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.696  | 4.6   | 122   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.583  | -9.2  | 150   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.895  | -9.8  | 144   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 56.892  | -13.8 | 145   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.186  | -4.4  | 133   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.479  | -5.0  | 135   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 258.621 | -3.4  | 133   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.315  | -6.6  | 138   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 273.781 | -9.5  | 147   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.775  | 2.5   | 125   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.968  | -9.9  | 142   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.208  | 1.6   | 126   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 267.188 | -6.9  | 142   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.579  | -7.2# | 138   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.915  | 4.2   | 128   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.552  | -3.1  | 133   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.912  | -3.8  | 135   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 140   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.985  | -2.0  | 133   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.724  | 2.6   | 133   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.360  | 1.3   | 142   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.876  | 2.2   | 129   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.986  | 0.0   | 132   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.906  | -1.8  | 137   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.702  | -3.4  | 131   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.196  | 1.6   | 135   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.816  | -1.6  | 140   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.968  | 0.1   | 134   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.546  | -5.1# | 143   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.051  | -2.1  | 141   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.906  | -1.8  | 138   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.791  | -3.6  | 144   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
 Data File : VY004888.D  
 Acq On : 26 May 2021 15:49  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: May 27 01:16:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 04:13:44 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 | 999.858 | 0.0   | 141   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.994  | 2.0   | 130   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.902 | -0.8  | 140   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.201  | 1.6#  | 132   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.402  | -0.8  | 136   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.051  | -0.1  | 136   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.745  | -1.5  | 140   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.293  | -6.6  | 143   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.359  | -4.7  | 142   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 252.027 | -0.8  | 146   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 261.002 | -4.4  | 143   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.619  | -3.2  | 143   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.923  | -5.8  | 143   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.709  | -1.4  | 136   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 139   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.320  | 1.4   | 133   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.817  | -1.6  | 136   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.975  | -4.0  | 139   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.784  | -1.6# | 134   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.204 | -0.2  | 131   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.321  | -2.6  | 134   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.786  | -3.6  | 134   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.540  | -5.1  | 142   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 128   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.818  | -7.6  | 130   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.357  | -6.7  | 131   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.820  | -7.6  | 136   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.461  | -0.9  | 128   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 52.144  | -4.3  | 131   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.433  | -4.9  | 126   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 53.235  | -6.5  | 130   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.967  | -5.9  | 127   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.345  | -4.7  | 132   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 53.870  | -7.7  | 131   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.811  | -5.6  | 125   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.720  | -9.4  | 132   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.596  | -5.2  | 125   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.513  | -5.0  | 125   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.425  | -2.8  | 128   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.638  | -3.3  | 127   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.783  | -3.6  | 122   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.868  | -7.7  | 129   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.842  | -5.7  | 131   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.495  | -3.0  | 139   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.047  | -0.1  | 122   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.823  | 0.4   | 119   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 56.204  | -12.4 | 137   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052621\  
Data File : VY004888.D  
Acq On : 26 May 2021 15:49  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: May 27 01:16:53 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 11 04:13:44 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 | 51.709 | -3.4 | 128   | 0.00     |

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