

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072721\  
 Data File : VY005478.D  
 Acq On : 27 Jul 2021 20:29  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 28 02:37:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:20:14 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   | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.303  | 9.4   | 98    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.635  | 0.7   | 103   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.529  | 0.9#  | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.119  | -0.2  | 92    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 52.959  | -5.9  | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.236  | -4.5  | 99    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 55.418  | -10.8 | 103   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.812  | -3.6  | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 53.499  | -7.0  | 102   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 260.203 | -4.1  | 111   | -0.04    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 53.236  | -6.5# | 102   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 258.863 | -3.5  | 119   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 54.604  | -9.2  | 104   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 280.643 | -12.3 | 107   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 257.785 | -3.1  | 112   | -0.01    |
| 17 T  | Carbon Disulfide            | 50.000  | 51.843  | -3.7  | 100   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.133  | -12.3 | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 56.244  | -12.5 | 102   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.827  | 2.3   | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.992  | -8.0  | 101   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.859  | -3.7  | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 260.106 | -4.0  | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.641  | -1.3  | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 253.066 | -1.2  | 96    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.051  | 5.9   | 86    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.091  | -2.2  | 90    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.283  | 1.4   | 91    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 261.828 | -4.7  | 94    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.994  | -6.0# | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.386  | 5.2   | 89    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.990  | -4.0  | 90    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.750  | -7.5  | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.393  | -2.8  | 89    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.784  | 2.4   | 89    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.146  | 5.7   | 86    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.844  | 2.3   | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.613  | 4.8   | 88    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.883  | 0.2   | 90    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.857  | -11.7 | 97    | 0.02     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.068  | -2.1  | 91    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.945  | -1.9  | 90    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.285  | 1.4   | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.720  | -1.4# | 91    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.817  | -1.6  | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.998  | -2.0  | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.237  | -0.5  | 90    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072721\  
 Data File : VY005478.D  
 Acq On : 27 Jul 2021 20:29  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jul 28 02:37:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 06:20:14 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 | 1007.509 | -0.8  | 92    | -0.03    |
| 50 S  | Toluene-d8                  | 50.000   | 51.021   | -2.0  | 88    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 255.931  | -2.4  | 92    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.037   | -0.1# | 89    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.240   | -0.5  | 89    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.828   | 0.3   | 89    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.458   | -0.9  | 89    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.493   | -3.0  | 89    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.968   | -1.9  | 90    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 273.846  | -9.5  | 95    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 255.175  | -2.1  | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.058   | -4.1  | 91    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.002   | -2.0  | 90    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.865   | -1.7  | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.991   | 2.0   | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.979   | 0.0   | 90    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.926   | -1.9  | 90    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.680   | 0.6#  | 89    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.561   | 0.4   | 90    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.927   | -1.9  | 91    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.021   | -2.0  | 90    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.274   | -2.5  | 88    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.403   | -0.8  | 90    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.741   | -3.5  | 91    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.875   | -1.8  | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.584   | 0.8   | 90    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.751   | -3.5  | 91    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.139   | -0.3  | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.024   | -0.0  | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.956   | -1.9  | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.212   | 1.6   | 89    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.862   | 0.3   | 90    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.021   | 2.0   | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.787   | -1.6  | 91    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.682   | -1.4  | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.964   | 0.1   | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.115   | -0.2  | 89    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.621   | 0.8   | 90    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.123   | 1.8   | 90    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.288   | -2.6  | 92    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.461   | -0.9  | 91    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.648   | 0.7   | 92    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.415   | 1.2   | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.393   | 1.2   | 92    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.315   | -2.6  | 93    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072721\  
Data File : VY005478.D  
Acq On : 27 Jul 2021 20:29  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Jul 28 02:37:21 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072221S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 23 06:20:14 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 | 50.293 | -0.6 | 92    | 0.00     |

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