

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120421\  
 Data File : VD071160.D  
 Acq On : 04 Dec 2021 22:55  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 06 04:53:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 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    | 72    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 39.164  | 21.7   | 62    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.018  | 2.0    | 75    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.017  | -0.0#  | 73    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.110  | -6.2   | 82    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.062  | -8.1   | 77    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.673  | 6.7    | 68    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.836  | -5.7   | 77    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.262  | 5.5    | 68    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 44.935  | 10.1   | 67    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 204.467 | 18.2   | 64    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.165  | 7.7#   | 69    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 155.970 | 37.6#  | 53    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.698  | -1.4   | 73    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 272.922 | -9.2   | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 210.130 | 15.9   | 68    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.273  | 7.5    | 69    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.137  | -6.3   | 86    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.821  | -5.6   | 78    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.677  | -9.4   | 81    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.439  | -2.9   | 74    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 55.526  | -11.1  | 79    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 239.333 | 4.3    | 77    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.509  | -7.0   | 76    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 230.184 | 7.9    | 77    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.440  | 9.1    | 65    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.453  | -8.9   | 76    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.661  | -7.3   | 78    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 269.618 | -7.8   | 85    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.187  | -10.4# | 78    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 42.813  | 14.4   | 66    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.360  | -2.7   | 72    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.129  | 7.7    | 74    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 74    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.239  | 7.5    | 72    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.192  | 5.6    | 70    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.281  | -2.6   | 85    | 0.01     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.539  | 0.9    | 73    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 43.477  | 13.0   | 64    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.428  | -2.9   | 76    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 62.420  | -24.8  | 94    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.338  | -4.7   | 79    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.937  | 6.1    | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.423  | 1.2    | 73    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.262  | -4.5#  | 76    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.408  | -4.8   | 80    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.605  | -7.2   | 79    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.337  | 5.3    | 73    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120421\  
 Data File : VD071160.D  
 Acq On : 04 Dec 2021 22:55  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 06 04:53:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 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 | 1017.874 | -1.8  | 78    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 43.322   | 13.4  | 69    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 235.002  | 6.0   | 84    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.637   | -3.3# | 75    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.817   | -1.6  | 74    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.864   | -3.7  | 75    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.505   | -9.0  | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 46.623   | 6.8   | 82    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.116   | -8.2  | 80    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 246.590  | 1.4   | 81    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 215.408  | 13.8  | 76    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.562   | -9.1  | 82    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.212   | -6.4  | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 45.413   | 9.2   | 71    | 0.00     |
|       |                             |          |          |       |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 81    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.123   | 5.8   | 76    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.412   | 1.2   | 78    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.067   | -2.1  | 81    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.770   | 4.5#  | 75    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 97.295   | 2.7   | 76    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.741   | 0.5   | 78    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.461   | -0.9  | 78    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.648   | 0.7   | 81    | 0.00     |
|       |                             |          |          |       |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.036   | 7.9   | 75    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 43.119   | 13.8  | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.863   | 0.3   | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.371   | 15.3  | 79    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.950   | 4.1   | 80    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.129   | 7.7   | 75    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.965   | 6.1   | 77    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 47.459   | 5.1   | 76    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 39.377   | 21.2  | 74    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.776   | 6.4   | 77    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.415   | 7.2   | 75    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.165   | 3.7   | 77    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.661   | 8.7   | 74    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 46.099   | 7.8   | 74    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.410   | 3.2   | 78    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.890   | 4.2   | 79    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.511   | 9.0   | 72    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.239   | 3.5   | 77    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.260   | 1.5   | 81    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.560   | 4.9   | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.777   | 4.4   | 77    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 45.033   | 9.9   | 71    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.950   | 2.1   | 81    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120421\  
Data File : VD071160.D  
Acq On : 04 Dec 2021 22:55  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
LabSampleId :  
VSTDCCC050

Quant Time: Dec 06 04:53:30 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 29 17:54:09 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 | 48.498 | 3.0  | 78    | 0.00     |

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