

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011321\  
 Data File : VD068060.D  
 Acq On : 13 Jan 2021 09:56  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 13 12:21:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 13 03:57:57 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   | 101   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 52.358  | -4.7  | 101   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.226  | 3.5   | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.968  | 0.1#  | 99    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.984  | 4.0   | 102   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.380  | 3.2   | 99    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.586  | 2.8   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.373  | 5.3   | 100   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.286  | 1.4   | 101   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.255  | 5.5   | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 223.872 | 10.5  | 89    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.860  | 2.3#  | 102   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 226.280 | 9.5   | 91    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.735  | 0.5   | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 249.826 | 0.1   | 97    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 300.058 | -20.0 | 115   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.098  | 3.8   | 100   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.902  | 10.2  | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.301  | 1.4   | 95    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.819  | 6.4   | 94    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.760  | 2.5   | 99    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.882  | -1.8  | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 261.465 | -4.6  | 98    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.025  | 4.0   | 100   | -0.01    |
| 25 T  | 2-Butanone                  | 250.000 | 259.896 | -4.0  | 100   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.761  | 2.5   | 101   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.730  | 0.5   | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.190  | 7.6   | 102   | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 249.429 | 0.2   | 94    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.126  | 1.7#  | 101   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.843  | 4.3   | 101   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.080  | 1.8   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 44.986  | 10.0  | 97    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 99    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.573  | 0.9   | 100   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.772  | -1.5  | 102   | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 49.656  | 0.7   | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.435  | -0.9  | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.372  | -4.7  | 101   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.611  | -1.2  | 100   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.954  | -9.9  | 98    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.712  | 2.6   | 95    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.534  | -3.1  | 97    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.831  | 0.3   | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.296  | -0.6# | 100   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.132  | -0.3  | 98    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.429  | -0.9  | 101   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.655  | -3.3  | 93    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011321\  
 Data File : VD068060.D  
 Acq On : 13 Jan 2021 09:56  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 13 12:21:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 13 03:57:57 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 | 1030.804 | -3.1  | 93    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.276   | 5.4   | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 260.693  | -4.3  | 96    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.757   | -1.5# | 99    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.714   | -1.4  | 96    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.748   | 0.5   | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.675   | 0.7   | 99    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.635   | -9.3  | 98    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.692   | -3.4  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 257.593  | -3.0  | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 283.310  | -13.3 | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.369   | -0.7  | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.533   | -1.1  | 97    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.719   | 2.6   | 102   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.487   | 1.0   | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.382   | 1.2   | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.372   | 1.3   | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.772   | -3.5# | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.581  | -2.6  | 101   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.201   | -4.4  | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.907   | -1.8  | 99    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.173   | -0.3  | 102   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.277   | -8.6  | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.037   | -4.1  | 97    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.096   | -0.2  | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 44.868   | 10.3  | 79    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.545   | -3.1  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.936   | -5.9  | 101   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.426   | -4.9  | 101   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.049   | -6.1  | 100   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.936   | 0.1   | 96    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.176   | -4.4  | 102   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.720   | -7.4  | 101   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.950   | -7.9  | 101   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.685   | -5.4  | 101   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.295   | -6.6  | 102   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.810   | -1.6  | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.523   | -1.0  | 102   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.402   | -6.8  | 102   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.409   | -2.8  | 100   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.711   | -3.4  | 99    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.950   | 2.1   | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.544   | -5.1  | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.258   | -6.5  | 104   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.656   | -7.3  | 98    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011321\  
Data File : VD068060.D  
Acq On : 13 Jan 2021 09:56  
Operator : VA/SY  
Sample : VSTDCCC050  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
LabSampleId :  
VSTDCCC050

Quant Time: Jan 13 12:21:46 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D011221S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 13 03:57:57 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 | 53.465 | -6.9 | 102   | 0.00     |

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