

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031621\  
 Data File : VD068623.D  
 Acq On : 16 Mar 2021 11:00  
 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: Mar 17 01:03:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 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  | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.878  | 10.2 | 78    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.037  | 11.9 | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.949  | 6.1# | 81    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.844  | 10.3 | 83    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.194  | 9.6  | 80    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.107  | 1.8  | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.513  | 9.0  | 79    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.460  | -0.9 | 89    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 44.952  | 10.1 | 79    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 220.963 | 11.6 | 85    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.393  | 1.2# | 86    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 237.917 | 4.8  | 81    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.543  | 6.9  | 80    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 247.776 | 0.9  | 86    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 265.869 | -6.3 | 90    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.486  | 9.0  | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.852  | 2.3  | 89    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.565  | -5.1 | 93    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.710  | 4.6  | 82    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.929  | -3.9 | 91    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.674  | 8.7  | 79    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 231.914 | 7.2  | 79    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.115  | 5.8  | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 231.545 | 7.4  | 82    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.460  | -2.9 | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.071  | 5.9  | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.723  | 4.6  | 82    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 216.616 | 13.4 | 76    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.524  | 7.0# | 82    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.200  | 11.6 | 80    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.703  | 2.6  | 85    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.100  | 5.8  | 83    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0  | 83    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.181  | -0.4 | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.435  | 1.1  | 82    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.296  | 11.4 | 77    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.646  | -5.3 | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.465  | 1.1  | 81    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.303  | 3.4  | 81    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 45.134  | 9.7  | 81    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.500  | 5.0  | 79    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.506  | 5.0  | 78    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.989  | 2.0  | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.545  | 0.9# | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.452  | 3.1  | 84    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.931  | 0.1  | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.383  | 5.2  | 80    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031621\  
 Data File : VD068623.D  
 Acq On : 16 Mar 2021 11:00  
 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: Mar 17 01:03:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 26 14:04:14 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 | 956.466 | 4.4  | 82    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.125  | 1.8  | 83    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 239.149 | 4.3  | 79    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.647  | 0.7# | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.664  | 2.7  | 83    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.640  | 2.7  | 81    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.675  | 2.7  | 81    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.018  | 4.0  | 78    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.349  | 5.3  | 80    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.894 | -3.6 | 86    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 255.798 | -2.3 | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.395  | 3.2  | 80    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.722  | 4.6  | 80    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.161  | -4.3 | 87    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 83    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.872  | 4.3  | 81    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.124  | 3.8  | 81    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.762  | 0.5  | 83    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.710  | 0.6# | 82    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.630 | -0.6 | 83    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.374  | -2.7 | 83    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.551  | -3.1 | 83    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.256  | -2.5 | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 43.458  | 13.1 | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 42.468  | 15.1 | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 43.158  | 13.7 | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.648  | 0.7  | 115   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 44.225  | 11.5 | 89    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.025  | 6.0  | 91    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.667  | 6.7  | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 46.933  | 6.1  | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 43.036  | 13.9 | 83    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.128  | 7.7  | 90    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.046  | 7.9  | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.170  | 7.7  | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.684  | 4.6  | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.115  | -0.2 | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.505  | 3.0  | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.350  | 3.3  | 96    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.268  | -0.5 | 96    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 43.590  | 12.8 | 82    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.600  | 2.8  | 96    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 41.199  | 17.6 | 84    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 42.762  | 14.5 | 82    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.507  | 7.0  | 89    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 43.314  | 13.4 | 84    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031621\  
Data File : VD068623.D  
Acq On : 16 Mar 2021 11:00  
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: Mar 17 01:03:44 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D022621S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 26 14:04:14 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 | 42.933 | 14.1 | 85    | 0.00     |

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