

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122923\  
 Data File : VD078098.D  
 Acq On : 29 Dec 2023 09:22  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 29 22:30:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122623S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 27 03:40:16 2023  
 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    | 104   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 39.689  | 20.6   | 91    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.613  | 12.8   | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.441  | 13.1#  | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 41.143  | 17.7   | 91    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.645  | 10.7   | 93    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.596  | 4.8    | 101   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.613  | -1.2   | 110   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.622  | 4.8    | 103   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.959  | 2.1    | 93    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 329.907 | -32.0# | 121   | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.587  | 4.8#   | 99    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 174.563 | 30.2#  | 95    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.673  | 4.7    | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 260.212 | -4.1   | 109   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 312.405 | -25.0  | 134   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.789  | 0.4    | 97    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.460  | -12.9  | 111   | -0.01    |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.443  | -4.9   | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.460  | -4.9   | 105   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.385  | 1.2    | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.410  | -2.8   | 105   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.890 | -0.4   | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.793  | 4.4    | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 283.945 | -13.6  | 120   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.682  | 4.6    | 101   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.269  | 1.5    | 103   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.596  | -1.2   | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 255.218 | -2.1   | 112   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.140  | 1.7#   | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.811  | 8.4    | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.403  | -0.8   | 104   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.299  | 3.4    | 109   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 101   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.633  | 6.7    | 108   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.928  | 0.1    | 100   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.770  | 0.5    | 105   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.528  | -1.1   | 104   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.650  | 0.7    | 101   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.220  | -2.4   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.491  | 5.0    | 101   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.647  | -3.3   | 104   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.929  | -3.9   | 108   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.463  | -0.9   | 103   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.390  | -0.8#  | 101   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.323  | -6.6   | 105   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.982  | -4.0   | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.496  | -7.0   | 108   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122923\  
 Data File : VD078098.D  
 Acq On : 29 Dec 2023 09:22  
 Operator : RP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Dec 29 22:30:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122623S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 27 03:40:16 2023  
 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 | 1140.205 | -14.0 | 114   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 48.230   | 3.5   | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 268.937  | -7.6  | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.535   | -5.1# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.723   | -3.4  | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.274   | -2.5  | 103   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.885   | -7.8  | 110   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.331   | -10.7 | 110   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.749   | -3.5  | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 268.802  | -7.5  | 89    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 264.948  | -6.0  | 118   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.661   | -7.3  | 107   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.255   | -2.5  | 104   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.647   | 0.7   | 110   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.496   | -1.0  | 107   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.108   | -0.2  | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.069   | -2.1  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.844   | 0.3#  | 103   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.220  | -1.2  | 104   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.296   | -0.6  | 104   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.875   | -5.8  | 105   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.219   | -8.4  | 117   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 106   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.359   | 3.3   | 104   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 48.701   | 2.6   | 107   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.193   | 1.6   | 108   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.056   | -6.1  | 114   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.655   | 0.7   | 108   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.516   | 5.0   | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.542   | 2.9   | 106   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.134   | 1.7   | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.433   | -0.9  | 113   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.427   | 5.1   | 101   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.716   | 2.6   | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.517   | 1.0   | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.799   | 2.4   | 105   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.830   | 0.3   | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.901   | 0.2   | 108   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.884   | 0.2   | 107   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.937   | 2.1   | 106   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.917   | 2.2   | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.813   | 0.4   | 107   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.705   | -5.4  | 114   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.866   | 0.3   | 111   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.772   | -1.5  | 113   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.021   | -6.0  | 115   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD122923\  
Data File : VD078098.D  
Acq On : 29 Dec 2023 09:22  
Operator : RP/MD  
Sample : VSTDCCC050  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
LabSampleId :  
VSTDCCC050

Quant Time: Dec 29 22:30:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D122623S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 27 03:40:16 2023  
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 | 53.671 | -7.3 | 118   | 0.00     |

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