

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110722\  
 Data File : VD074751.D  
 Acq On : 07 Nov 2022 09:53  
 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: Nov 07 11:44:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 2022  
 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   | 102   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.855  | 16.3  | 94    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.410  | 9.2   | 98    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.074  | 5.9#  | 97    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.201  | 9.6   | 104   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.656  | 2.7   | 101   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 47.147  | 5.7   | 97    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.608  | 2.8   | 100   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.435  | 5.1   | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 40.634  | 18.7  | 86    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 151.198 | 39.5# | 82    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.326  | 5.3#  | 95    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 251.091 | -0.4  | 109   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.964  | -1.9  | 103   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.888 | -0.8  | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 293.718 | -17.5 | 118   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.604  | 6.8   | 94    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.502  | 9.0   | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.729  | -3.5  | 104   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.127  | 11.7  | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.831  | 2.3   | 99    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.425  | -6.8  | 104   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 298.966 | -19.6 | 121   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.297  | 1.4   | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 262.390 | -5.0  | 108   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.049  | 1.9   | 103   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.816  | 2.4   | 99    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.379  | -6.8  | 111   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 260.304 | -4.1  | 103   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.800  | 0.4#  | 102   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.202  | 7.6   | 96    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.910  | 2.2   | 100   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.433  | -0.9  | 110   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 103   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.336  | -0.7  | 111   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.326  | 1.3   | 99    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.666  | -1.3  | 105   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.191  | 1.6   | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.055  | -0.1  | 98    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.989  | 0.0   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 43.208  | 13.6  | 93    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.450  | -2.9  | 105   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.677  | -1.4  | 104   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.483  | 1.0   | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.327  | -4.7# | 104   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.703  | -7.4  | 107   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.214  | -6.4  | 105   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.455  | -6.9  | 104   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 07 11:44:04 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 2022  
 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 | 1065.853 | -6.6   | 100   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.922   | -3.8   | 121   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 273.588  | -9.4   | 109   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.603   | -7.2#  | 114   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 56.267   | -12.5  | 121   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.944   | -7.9   | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 55.738   | -11.5  | 123   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.944   | -11.9  | 118   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.328   | -6.7   | 117   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 314.718  | -25.9# | 127   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 290.764  | -16.3  | 122   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.930   | -9.9   | 122   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.698   | -9.4   | 121   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 56.250   | -12.5  | 125   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 118   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.037   | 1.9    | 119   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.709   | -1.4   | 117   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.605   | -5.2   | 119   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.454   | -2.9#  | 115   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.009  | -4.0   | 116   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.664   | -3.3   | 114   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.034   | -6.1   | 117   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.472   | -6.9   | 120   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 120   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.375   | 1.3    | 115   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.507   | -1.0   | 118   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.127   | -0.3   | 121   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 53.221   | -6.4   | 126   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.992   | 0.0    | 119   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.548   | 0.9    | 114   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.437   | 1.1    | 116   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.100   | -0.2   | 115   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.284   | -8.6   | 127   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.750   | 0.5    | 118   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.202   | 1.6    | 113   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.509   | -1.0   | 117   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.120   | -0.2   | 117   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.797   | 0.4    | 116   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.923   | 0.2    | 120   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.025   | 2.0    | 118   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.317   | -0.6   | 116   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.153   | -0.3   | 116   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.696   | 0.6    | 119   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.224   | 1.6    | 122   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.680   | -3.4   | 125   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.551   | -5.1   | 126   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.749   | -1.5   | 117   | 0.00     |

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Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
LabSampleId :  
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 03 02:30:45 2022  
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 | 50.055 | -0.1 | 121   | 0.00     |

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