

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061522\  
 Data File : VD073582.D  
 Acq On : 15 Jun 2022 09:33  
 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: Jun 16 06:01:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 09 12:33:32 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   | 91    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.352  | 17.3  | 80    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.979  | 14.0  | 83    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.895  | 10.2# | 83    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.922  | 6.2   | 91    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.091  | 7.8   | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.558  | 6.9   | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.663  | 8.7   | 86    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.132  | 7.7   | 82    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 41.071  | 17.9  | 79    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 24.888  | 90.0# | 55    | 0.02     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.882  | 6.2#  | 85    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 211.348 | 15.5  | 87    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.176  | 5.6   | 88    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 242.170 | 3.1   | 91    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 254.143 | -1.7  | 102   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.605  | 10.8  | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.915  | 6.2   | 97    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.127  | -0.3  | 91    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.985  | 6.0   | 85    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.045  | 5.9   | 84    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.338  | -0.7  | 90    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 254.443 | -1.8  | 89    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.881  | 2.2   | 90    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 244.263 | 2.3   | 95    | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.384  | 3.2   | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.587  | 2.8   | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.971  | 2.1   | 92    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 247.993 | 0.8   | 90    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.690  | 0.6#  | 91    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.358  | 13.3  | 79    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.870  | 0.3   | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.843  | -1.7  | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 90    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.500  | -9.0  | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.250  | -2.5  | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.834  | -1.7  | 89    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.818  | -3.6  | 89    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.906  | 4.2   | 78    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.829  | -1.7  | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.980  | -4.0  | 85    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.638  | -5.3  | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.363  | -0.7  | 91    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.444  | -0.9  | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.196  | -2.4# | 91    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.326  | -4.7  | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.026  | -6.1  | 93    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.033  | -2.1  | 89    | 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: Jun 16 06:01:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 09 12:33:32 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 | 1036.511 | -3.7  | 93    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 54.249   | -8.5  | 93    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 269.596  | -7.8  | 95    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.556   | -7.1# | 90    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.677   | -7.4  | 93    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.415   | -4.8  | 92    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.703   | -5.4  | 95    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.933   | -7.9  | 93    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.908   | -3.8  | 90    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 261.962  | -4.8  | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 277.032  | -10.8 | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.031   | -10.1 | 96    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.473   | -4.9  | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.060   | -10.1 | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.039   | 1.9   | 85    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.778   | -3.6  | 91    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.872   | -1.7  | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.515   | -5.0# | 88    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.566  | -5.6  | 89    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.672   | -5.3  | 89    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.667   | -9.3  | 91    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.934   | -5.9  | 97    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.934   | -1.9  | 88    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.255   | 1.5   | 93    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.574   | -1.1  | 97    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.657   | 2.7   | 91    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.049   | -2.1  | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.954   | -1.9  | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.397   | -0.8  | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.681   | -3.4  | 90    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.085   | -4.2  | 97    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.110   | -2.2  | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.449   | -2.9  | 87    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.516   | -3.0  | 90    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.166   | -0.3  | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.966   | 0.1   | 86    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.775   | 0.5   | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.719   | 0.6   | 91    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.450   | 3.1   | 83    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.863   | 2.3   | 90    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.319   | -0.6  | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.585   | -1.2  | 100   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.372   | 3.3   | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.019   | 8.0   | 81    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.053   | 7.9   | 93    | 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: Jun 16 06:01:44 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D060922S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 09 12:33:32 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 | 49.372 | 1.3  | 88    | 0.00     |

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