

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061423\  
 Data File : VD076411.D  
 Acq On : 14 Jun 2023 11:05  
 Operator : KP/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 15 05:29:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061223S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 13 02:01:34 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   | 65    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.844  | 14.3  | 57    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.157  | 5.7   | 63    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.263  | -2.5# | 66    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 56.022  | -12.0 | 76    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.462  | -8.9  | 71    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.228  | 7.5   | 60    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.521  | 5.0   | 63    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.433  | 7.1   | 59    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 45.503  | 9.0   | 57    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 212.141 | 15.1  | 58    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.448  | 7.1#  | 61    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 268.320 | -7.3  | 77    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.755  | 6.5   | 62    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 236.652 | 5.3   | 62    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 281.752 | -12.7 | 69    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.665  | 6.7   | 60    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.508  | 5.0   | 65    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.505  | 5.0   | 63    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 43.567  | 12.9  | 60    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 45.309  | 9.4   | 60    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.233  | 5.5   | 62    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 285.614 | -14.2 | 75    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.036  | 5.9   | 62    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 249.700 | 0.1   | 65    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.056  | 9.9   | 60    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.664  | 4.7   | 64    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.117  | -0.2  | 64    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 243.502 | 2.6   | 65    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.690  | 6.6#  | 62    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.528  | 12.9  | 58    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.403  | 9.2   | 59    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.610  | 8.8   | 62    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 65    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.457  | 3.1   | 62    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.394  | 7.2   | 60    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.851  | -1.7  | 64    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 45.948  | 8.1   | 59    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.094  | 5.8   | 60    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.554  | 4.9   | 61    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 44.589  | 10.8  | 68    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.039  | 7.9   | 60    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 47.770  | 4.5   | 62    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.247  | 5.5   | 60    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.955  | 2.1#  | 63    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.336  | 5.3   | 62    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.850  | 6.3   | 61    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.793  | 6.4   | 61    | 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 15 05:29:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061223S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 13 02:01:34 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 | 930.841 | 6.9   | 61    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.741  | 4.5   | 63    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 240.345 | 3.9   | 63    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.061  | 5.9#  | 61    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 46.944  | 6.1   | 60    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.088  | 5.8   | 61    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.528  | 4.9   | 62    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.774  | 4.5   | 60    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.920  | 4.2   | 62    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 241.142 | 3.5   | 67    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 249.676 | 0.1   | 64    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.363  | 5.3   | 62    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.806  | 2.4   | 63    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.406  | 7.2   | 62    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 66    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.667  | 8.7   | 59    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.388  | 5.2   | 62    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 46.815  | 6.4   | 61    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 46.886  | 6.2#  | 62    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 94.282  | 5.7   | 61    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.118  | 3.8   | 63    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 47.205  | 5.6   | 61    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.693  | 0.6   | 65    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 67    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.674  | 8.7   | 61    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 46.774  | 6.5   | 63    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.180  | 5.6   | 64    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 55.134  | -10.3 | 80    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.788  | 6.4   | 62    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 45.547  | 8.9   | 60    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 44.656  | 10.7  | 59    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 45.180  | 9.6   | 60    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.231  | 5.5   | 65    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 44.533  | 10.9  | 60    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 44.321  | 11.4  | 58    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 45.486  | 9.0   | 60    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.055  | 7.9   | 61    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 45.086  | 9.8   | 60    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.098  | 5.8   | 63    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.002  | 6.0   | 62    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.853  | 8.3   | 61    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.472  | 5.1   | 63    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.224  | 5.6   | 64    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.115  | 9.8   | 62    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 46.962  | 6.1   | 63    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.324  | 11.4  | 59    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 47.151  | 5.7   | 63    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
LabSampleId :  
VSTDCCC050

Quant Time: Jun 15 05:29:07 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061223S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 13 02:01:34 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 | 47.582 | 4.8  | 63    | 0.00     |

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