

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052121\  
 Data File : VD069231.D  
 Acq On : 21 May 2021 11:25  
 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: May 21 12:51:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 04:01:29 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    | 85    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.044  | 9.9    | 77    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.044  | -0.1   | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.865  | -1.7#  | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.119  | 7.8    | 84    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 53.641  | -7.3   | 88    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.327  | 3.3    | 84    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.586  | -3.2   | 81    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.936  | 0.1    | 84    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.867  | 14.3   | 68    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 292.364 | -16.9  | 93    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.543  | -1.1#  | 81    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 275.380 | -10.2  | 87    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.141  | -2.3   | 83    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 283.482 | -13.4  | 90    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 266.092 | -6.4   | 83    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.848  | 4.3    | 80    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 56.735  | -13.5  | 90    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.590  | -9.2   | 84    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.013  | -0.0   | 78    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.342  | -2.7   | 84    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.159  | -12.3  | 87    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 289.247 | -15.7  | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.102  | -4.2   | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 282.486 | -13.0  | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.849  | -1.7   | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 51.236  | -2.5   | 85    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 55.105  | -10.2  | 92    | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 296.368 | -18.5  | 90    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 52.598  | -5.2#  | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.513  | 5.0    | 82    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.174  | -2.3   | 85    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 52.599  | -5.2   | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 84    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.581  | -5.2   | 91    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.347  | -6.7   | 84    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 56.045  | -12.1  | 88    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.630  | -3.3   | 83    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.301  | -2.6   | 78    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.965  | -7.9   | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.197  | -6.4   | 87    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.764  | -9.5   | 86    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 57.937  | -15.9  | 89    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.627  | -3.3   | 82    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.806  | -11.6# | 90    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 56.085  | -12.2  | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.944  | -9.9   | 86    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 59.542  | -19.1  | 91    | 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

Quant Time: May 21 12:51:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 13 04:01:29 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 | 1155.543 | -15.6  | 87    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.526   | -7.1   | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 300.177  | -20.1  | 89    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.678   | -9.4#  | 84    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.864   | -9.7   | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.398   | -6.8   | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.104   | -14.2  | 90    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.071   | -8.1   | 85    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 56.458   | -12.9  | 87    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 304.276  | -21.7  | 91    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 307.762  | -23.1  | 90    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 58.231   | -16.5  | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.514   | -15.0  | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.624   | -11.2  | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.731   | 2.5    | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.354   | -2.7   | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 55.146   | -10.3  | 94    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.289   | -10.6# | 90    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 108.221  | -8.2   | 88    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.206   | -10.4  | 87    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.585   | -11.2  | 89    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.907   | -11.8  | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.464   | 5.1    | 84    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 53.599   | -7.2   | 94    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.420   | 1.2    | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.687   | -9.4   | 93    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.816   | 2.4    | 89    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.959   | -7.9   | 95    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.903   | -5.8   | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 54.400   | -8.8   | 95    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.067   | -4.1   | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.815   | -5.6   | 96    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.976   | -10.0  | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 54.343   | -8.7   | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.324   | -4.6   | 92    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.326   | -6.7   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.462   | -4.9   | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.720   | -1.4   | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.271   | -4.5   | 89    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.530   | 0.9    | 92    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.801   | -3.6   | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.692   | 2.6    | 94    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 44.551   | 10.9   | 81    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 43.544   | 12.9   | 81    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 43.545   | 12.9   | 81    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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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 | 46.058 | 7.9  | 81    | 0.00     |

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