

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082021\  
 Data File : VD070195.D  
 Acq On : 20 Aug 2021 11:31  
 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: Aug 23 03:50:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D081321S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 14 02:33:51 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   | 88    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 45.832  | 8.3   | 82    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.712  | 12.6  | 77    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 41.487  | 17.0# | 80    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.929  | -3.9  | 91    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.233  | 9.5   | 86    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.808  | 10.4  | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.529  | 6.9   | 81    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.299  | 9.4   | 86    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.464  | 1.1   | 81    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 225.608 | 9.8   | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.210  | 7.6#  | 84    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 231.346 | 7.5   | 82    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.403  | 5.2   | 82    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 242.783 | 2.9   | 84    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 295.650 | -18.3 | 105   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.297  | 13.4  | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.358  | 7.3   | 81    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.505  | 1.0   | 83    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.836  | 2.3   | 87    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.188  | 5.6   | 83    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.897  | 0.2   | 82    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 258.333 | -3.3  | 82    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.655  | 6.7   | 84    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 260.677 | -4.3  | 88    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.983  | 2.0   | 87    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.275  | 3.5   | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.325  | 7.3   | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 249.463 | 0.2   | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.820  | 6.4#  | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.014  | 8.0   | 84    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.482  | 5.0   | 85    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.928  | 4.1   | 86    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 85    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.427  | -0.9  | 86    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.204  | 1.6   | 84    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.054  | -4.1  | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.872  | 0.3   | 86    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.492  | -1.0  | 84    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.886  | 2.2   | 83    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.903  | -3.8  | 90    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.310  | 3.4   | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.577  | 2.8   | 81    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.593  | 2.8   | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.405  | 1.2#  | 84    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.356  | 1.3   | 85    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.462  | 1.1   | 85    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.782  | -3.6  | 83    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Sat Aug 14 02:33:51 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 | 1060.330 | -6.0  | 85    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.311   | -2.6  | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 259.101  | -3.6  | 83    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.095   | -0.2# | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.553   | -1.1  | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.908   | -1.8  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.858   | 2.3   | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.923   | -5.8  | 83    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.227   | 1.5   | 83    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 274.908  | -10.0 | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 275.577  | -10.2 | 86    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.016   | 2.0   | 85    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.022   | -0.0  | 84    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.294   | -2.6  | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 85    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.761   | 4.5   | 83    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.157   | 1.7   | 83    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.324   | 1.4   | 83    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.702   | -3.4# | 83    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 103.243  | -3.2  | 84    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.362   | -4.7  | 84    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.634   | -5.3  | 83    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.270   | -0.5  | 83    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.747   | -5.5  | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.530   | -3.1  | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.132   | -0.3  | 86    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.933   | 2.1   | 87    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.020   | -0.0  | 83    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.099   | -6.2  | 84    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.914   | -1.8  | 84    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.221   | -4.4  | 84    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 54.518   | -9.0  | 84    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.627   | -1.3  | 83    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.243   | -4.5  | 84    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.302   | -4.6  | 83    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.452   | -4.9  | 85    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.784   | -5.6  | 83    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.332   | 1.3   | 83    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.435   | 1.1   | 84    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.031   | -6.1  | 84    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.897   | 0.2   | 86    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.660   | 0.7   | 84    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.726   | 8.5   | 79    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.144   | -0.3  | 82    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.131   | -0.3  | 84    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.615   | -3.2  | 82    | 0.00     |

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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 | 49.858 | 0.3  | 81    | 0.00     |

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