

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081821\  
 Data File : VY005753.D  
 Acq On : 18 Aug 2021 20:23  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Aug 19 05:19:33 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 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    | 60    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.969  | 0.1    | 66    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 54.828  | -9.7   | 68    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 57.724  | -15.4# | 70    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 63.286  | -26.6# | 79    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 64.464  | -28.9# | 74    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 58.603  | -17.2  | 68    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 63.247  | -26.5# | 83    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 60.687  | -21.4  | 75    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 54.304  | -8.6   | 66    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 317.155 | -26.9# | 95    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 59.242  | -18.5# | 74    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 240.522 | 3.8    | 59    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 63.239  | -26.5# | 78    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 339.954 | -36.0# | 93    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 301.787 | -20.7  | 78    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 54.894  | -9.8   | 69    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 73.999  | -48.0# | 108   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 65.679  | -31.4# | 85    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 69.105  | -38.2# | 80    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 60.941  | -21.9  | 77    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 59.186  | -18.4  | 73    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 291.887 | -16.8  | 75    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 57.857  | -15.7  | 71    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 294.797 | -17.9  | 80    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.732  | -1.5   | 62    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.122  | -10.2  | 68    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 55.165  | -10.3  | 75    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 299.317 | -19.7  | 85    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 57.879  | -15.8# | 72    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.467  | 3.1    | 62    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 56.417  | -12.8  | 69    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 58.150  | -16.3  | 72    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 64    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.811  | -7.6   | 67    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.920  | -1.8   | 67    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 56.247  | -12.5  | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.362  | -4.7   | 68    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.688  | 4.6    | 62    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.403  | -4.8   | 69    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.530  | -3.1   | 64    | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 55.382  | -10.8  | 75    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 55.961  | -11.9  | 81    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.946  | -3.9   | 68    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 54.670  | -9.3#  | 72    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 54.915  | -9.8   | 75    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.443  | -10.9  | 73    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 58.058  | -16.1  | 83    | 0.00     |

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 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
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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) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1079.669 | -8.0  | 79    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.912   | -3.8  | 65    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 301.701  | -20.7 | 88    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.225   | -4.5# | 68    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.047   | -6.1  | 71    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.070   | -6.1  | 69    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.951   | -9.9  | 74    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.057   | -12.1 | 78    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.782   | -11.6 | 75    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 312.235  | -24.9 | 84    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 298.806  | -19.5 | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.163   | -10.3 | 75    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.124   | -8.2  | 74    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.846   | -7.7  | 69    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 66    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.774   | -9.5  | 74    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.937   | -5.9  | 70    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.541   | -9.1  | 73    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.174   | -4.3# | 68    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.803  | -4.8  | 69    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.353   | -4.7  | 69    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.077   | -8.2  | 71    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.354   | -12.7 | 78    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 70    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.984   | -2.0  | 69    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.211   | -10.4 | 80    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.642   | -9.3  | 81    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.449   | 3.1   | 72    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.603   | -3.2  | 71    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.011   | -2.0  | 69    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.556   | -3.1  | 70    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.979   | -2.0  | 69    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.401   | -2.8  | 78    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.503   | -3.0  | 70    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.968   | -1.9  | 69    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.425   | -2.8  | 70    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.239   | -2.5  | 68    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.422   | -0.8  | 68    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.268   | -2.5  | 70    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.919   | -1.8  | 71    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.074   | -0.1  | 68    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.665   | -5.3  | 72    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.664   | -5.3  | 74    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 56.327   | -12.7 | 89    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.970   | -1.9  | 72    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.232   | -0.5  | 69    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 55.631   | -11.3 | 83    | 0.00     |

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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 | 53.169 | -6.3 | 77    | 0.00     |

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