

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060721\  
 Data File : VY005008.D  
 Acq On : 07 Jun 2021 21:10  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 08 02:11:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 03 04:43:33 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    | 73    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.253  | 5.5    | 71    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.316  | -2.6   | 76    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.684  | -1.4#  | 74    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.963  | 2.1    | 74    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.949  | -1.9   | 74    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.743  | 0.5    | 73    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.045  | -4.1   | 75    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.620  | -1.2   | 75    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 54.883  | -9.8   | 77    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 205.680 | 17.7   | 61    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.272  | -0.5#  | 73    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 282.630 | -13.1  | 73    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 52.573  | -5.1   | 75    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 262.371 | -4.9   | 71    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 249.195 | 0.3    | 72    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.669  | 0.7    | 71    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.093  | -4.2   | 74    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.300  | -4.6   | 73    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 57.993  | -16.0  | 81    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.640  | -3.3   | 74    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.218  | -12.4  | 80    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 272.772 | -9.1   | 75    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.211  | -8.4   | 78    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 264.504 | -5.8   | 72    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.597  | 4.8    | 70    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.144  | -8.3   | 79    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.648  | -5.3   | 73    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 262.952 | -5.2   | 71    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.571  | -11.1# | 79    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.681  | 2.6    | 75    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 53.428  | -6.9   | 76    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.688  | -3.4   | 72    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 80    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.152  | 1.7    | 71    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.518  | 1.0    | 76    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 47.257  | 5.5    | 72    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.031  | -2.1   | 76    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.345  | 1.3    | 76    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.771  | -3.5   | 78    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.878  | -7.8   | 77    | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.078  | -2.2   | 77    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.988  | 2.0    | 71    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.606  | -3.2   | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.549  | -5.1#  | 81    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.220  | -4.4   | 79    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.229  | -6.5   | 82    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.678  | 0.6    | 72    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 08 02:11:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 03 04:43:33 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 | 898.686 | 10.1  | 65    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.282  | -2.6  | 75    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 250.058 | -0.0  | 72    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.625  | -5.3# | 79    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.807  | -1.6  | 76    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.509  | -3.0  | 78    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.108  | -4.2  | 78    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 52.465  | -4.9  | 75    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 52.281  | -4.6  | 79    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 244.980 | 2.0   | 73    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 251.470 | -0.6  | 71    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.301  | -6.6  | 79    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.875  | -3.8  | 77    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.418  | 1.2   | 75    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 79    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.751  | -3.5  | 80    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.474  | -2.9  | 81    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.504  | -5.0  | 81    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.436  | -2.9# | 80    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.891 | -2.9  | 79    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.112  | -4.2  | 80    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.297  | -6.6  | 81    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.674  | -3.3  | 79    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 80    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.735  | -1.5  | 80    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.096  | -0.2  | 74    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.924  | 2.2   | 76    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.426  | 7.1   | 72    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.623  | -1.2  | 78    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.317  | -2.6  | 81    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.354  | -0.7  | 79    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.104  | -2.2  | 80    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.802  | 8.4   | 70    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.607  | -1.2  | 80    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.432  | -0.9  | 78    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.296  | -2.6  | 80    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.236  | -2.5  | 81    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.487  | -3.0  | 81    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.324  | -2.6  | 81    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.568  | -1.1  | 81    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.503  | -3.0  | 82    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.116  | -4.2  | 84    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.432  | -4.9  | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.823  | 6.4   | 72    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.428  | -2.9  | 80    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.912  | -3.8  | 79    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.513  | -3.0  | 74    | 0.00     |

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MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Thu Jun 03 04:43:33 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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.642 | -3.3 | 79    | 0.00     |

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