

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060821\  
 Data File : VY005010.D  
 Acq On : 08 Jun 2021 09:53  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 09 03:46:10 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   | 79    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.970  | -1.9  | 83    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.133  | -4.3  | 84    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.992  | -4.0# | 82    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.309  | 1.4   | 80    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.938  | -3.9  | 81    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.614  | -7.2  | 85    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.566  | -3.1  | 81    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.012  | -8.0  | 86    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 55.229  | -10.5 | 84    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 222.291 | 11.1  | 71    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 52.047  | -4.1# | 82    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 309.153 | -23.7 | 86    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.677  | -7.4  | 83    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 273.325 | -9.3  | 81    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 225.957 | 9.6   | 71    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 52.393  | -4.8  | 82    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.530  | -9.1  | 84    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.343  | -8.7  | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 54.565  | -9.1  | 83    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.854  | -5.7  | 82    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.240  | -12.5 | 86    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 284.135 | -13.7 | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.136  | -10.3 | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 255.896 | -2.4  | 75    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 55.270  | -10.5 | 88    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.192  | -8.4  | 86    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 53.243  | -6.5  | 80    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 267.079 | -6.8  | 78    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.954  | -3.9# | 80    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.704  | 0.6   | 83    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.595  | -3.2  | 80    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.613  | 2.8   | 73    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 80    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.135  | 1.7   | 72    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.597  | -3.2  | 80    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 53.521  | -7.0  | 82    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.012  | -8.0  | 81    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.754  | -5.5  | 82    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.211  | -4.4  | 80    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.234  | -6.5  | 77    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.313  | -4.6  | 80    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.055  | -4.1  | 77    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.283  | -4.6  | 81    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.977  | -6.0# | 83    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.028  | -6.1  | 81    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.999  | -6.0  | 82    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.494  | -3.0  | 76    | 0.00     |

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 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jun 09 03:46:10 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 | 951.437 | 4.9   | 69    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.385  | -0.8  | 75    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 268.681 | -7.5  | 79    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 53.275  | -6.5# | 81    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.009  | -6.0  | 80    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.578  | -7.2  | 82    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.647  | -7.3  | 82    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.809  | -7.6  | 77    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.616  | -7.2  | 82    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 253.905 | -1.6  | 76    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 268.728 | -7.5  | 77    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 54.899  | -9.8  | 82    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.765  | -5.5  | 80    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.679  | 2.6   | 75    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 80    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.841  | -5.7  | 82    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.053  | -4.1  | 82    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.569  | -7.1  | 84    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.756  | -5.5# | 82    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.468 | -5.5  | 82    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.848  | -5.7  | 82    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 54.337  | -8.7  | 83    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.175  | -6.3  | 82    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 82    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.700  | -3.4  | 83    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 52.195  | -4.4  | 78    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.391  | -2.8  | 81    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.377  | -2.8  | 81    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.333  | -2.7  | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.126  | -6.3  | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.630  | -1.3  | 81    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.561  | -5.1  | 84    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 51.821  | -3.6  | 81    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.672  | -3.3  | 83    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 53.012  | -6.0  | 84    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.749  | -5.5  | 83    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.282  | -6.6  | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.488  | -7.0  | 85    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.037  | -4.1  | 84    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.900  | -3.8  | 85    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.559  | -9.1  | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.577  | -9.2  | 90    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.335  | -4.7  | 84    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.207  | -2.4  | 80    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.234  | -6.5  | 84    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.918  | -7.8  | 84    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.486  | -7.0  | 78    | 0.00     |

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Sample : VSTDCCC050  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

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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 | 52.822 | -5.6 | 82    | 0.00     |

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