

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013122\  
 Data File : VY007338.D  
 Acq On : 31 Jan 2022 13:11  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 01 01:51:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 2022  
 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   | 96    | 0.01     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 34.625  | 30.8# | 66    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 48.008  | 4.0   | 100   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.302  | 1.4#  | 94    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.650  | -3.3  | 93    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.172  | -0.3  | 94    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.977  | -10.0 | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.824  | -1.6  | 95    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.360  | -2.7  | 98    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.924  | 2.2   | 92    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 252.503 | -1.0  | 100   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.155  | 1.7#  | 95    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 222.777 | 10.9  | 95    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.723  | -1.4  | 97    | 0.01     |
| 15 T  | Acrylonitrile               | 250.000 | 270.372 | -8.1  | 101   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 257.801 | -3.1  | 98    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.411  | 13.2  | 84    | 0.01     |
| 18 T  | Methyl Acetate              | 50.000  | 49.281  | 1.4   | 100   | 0.01     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.609  | -5.2  | 99    | 0.02     |
| 20 T  | Methylene Chloride          | 50.000  | 47.007  | 6.0   | 97    | 0.02     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.334  | 3.3   | 93    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.687  | -5.4  | 99    | 0.01     |
| 23 T  | Vinyl Acetate               | 250.000 | 269.121 | -7.6  | 98    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.462  | -2.9  | 98    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 260.596 | -4.2  | 98    | 0.01     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.322  | -6.6  | 103   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.743  | -1.5  | 97    | 0.01     |
| 28 T  | Bromochloromethane          | 50.000  | 50.773  | -1.5  | 87    | 0.01     |
| 29 T  | Tetrahydrofuran             | 250.000 | 261.747 | -4.7  | 99    | 0.01     |
| 30 C  | Chloroform                  | 50.000  | 51.844  | -3.7# | 98    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.339  | 9.3   | 92    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 52.596  | -5.2  | 100   | 0.01     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.707  | 8.6   | 90    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 97    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.830  | 4.3   | 93    | 0.01     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.620  | 2.8   | 95    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.252  | -4.5  | 98    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.916  | 0.2   | 97    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.667  | 4.7   | 92    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.283  | -0.6  | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.802  | -3.6  | 110   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.379  | -2.8  | 97    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.437  | -4.9  | 99    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.010  | 2.0   | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.404  | -2.8# | 99    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.662  | -1.3  | 96    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.264  | -4.5  | 99    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 50.180  | -0.4  | 97    | 0.00     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 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 | 1022.322 | -2.2  | 92    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 44.437   | 11.1  | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 266.064  | -6.4  | 100   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.868   | 0.3#  | 94    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.955   | -1.9  | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.105   | -2.2  | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.347   | -2.7  | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.367   | -2.7  | 96    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.677   | -3.4  | 98    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 224.999  | 10.0  | 88    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 257.566  | -3.0  | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.768   | -3.5  | 97    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.451   | -0.9  | 94    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 45.057   | 9.9   | 89    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.477   | 5.0   | 91    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.886   | -1.8  | 95    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.172   | -4.3  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.773   | -1.5# | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.821  | -0.8  | 94    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.887   | -1.8  | 96    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.182   | -2.4  | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.849   | -3.7  | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.068   | -2.1  | 95    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.834   | -3.7  | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.303   | -6.6  | 99    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.179   | 5.6   | 77    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.125   | -2.3  | 95    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.048   | -2.1  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.872   | -1.7  | 95    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.323   | -0.6  | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.776   | -5.6  | 95    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.258   | -0.5  | 93    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.944   | -3.9  | 97    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.405   | -0.8  | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.590   | -3.2  | 97    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.140   | -2.3  | 95    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.898   | -1.8  | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.633   | 0.7   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.777   | -1.6  | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.098   | -4.2  | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.836   | 0.3   | 94    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.986   | 4.0   | 91    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.977   | 4.0   | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.298   | 1.4   | 95    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.783   | 2.4   | 92    | 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 | 47.375 | 5.3  | 90    | 0.00     |

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