

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040122\  
 Data File : VY008150.D  
 Acq On : 01 Apr 2022 09:32  
 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: Apr 02 03:53:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032522S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 26 03:24:51 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   | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.411  | 17.2  | 67    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.304  | 13.4  | 71    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 43.469  | 13.1# | 71    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.026  | 9.9   | 78    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 45.151  | 9.7   | 75    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.696  | 10.6  | 75    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.721  | 6.6   | 76    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 45.218  | 9.6   | 75    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 43.200  | 13.6  | 70    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 225.460 | 9.8   | 72    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.919  | 10.2# | 75    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 229.762 | 8.1   | 82    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.821  | 8.4   | 74    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 236.234 | 5.5   | 76    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 248.875 | 0.4   | 76    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.377  | 11.2  | 72    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 45.533  | 8.9   | 73    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.200  | 5.6   | 77    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.315  | 5.4   | 77    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.566  | 6.9   | 77    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 47.158  | 5.7   | 76    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 253.127 | -1.3  | 75    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.956  | 6.1   | 77    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 238.208 | 4.7   | 74    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.981  | 4.0   | 78    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.641  | 4.7   | 79    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.475  | 7.0   | 77    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 230.304 | 7.9   | 72    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.022  | 4.0#  | 79    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.550  | 16.9  | 72    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.798  | 4.4   | 78    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.208  | 3.6   | 81    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 88    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.731  | 0.5   | 85    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 45.377  | 9.2   | 75    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.901  | 6.2   | 75    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.264  | 7.5   | 76    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 42.727  | 14.5  | 71    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 46.547  | 6.9   | 78    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.555  | 4.9   | 84    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.204  | 7.6   | 77    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.865  | 8.3   | 75    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.744  | 6.5   | 78    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.559  | 4.9#  | 79    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.254  | 5.5   | 77    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 47.743  | 4.5   | 79    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 43.479  | 13.0  | 70    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Sat Mar 26 03:24:51 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) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 950.381 | 5.0  | 74    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.019  | 2.0  | 83    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 233.855 | 6.5  | 74    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 47.592  | 4.8# | 77    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.088  | 3.8  | 78    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.672  | 4.7  | 78    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.694  | 2.6  | 79    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.693  | 2.6  | 76    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.529  | 4.9  | 78    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 220.543 | 11.8 | 80    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 239.557 | 4.2  | 74    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 49.017  | 2.0  | 79    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.845  | 4.3  | 76    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.305  | 1.4  | 83    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 87    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 45.009  | 10.0 | 76    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.778  | 4.4  | 77    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.449  | 1.1  | 79    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 47.593  | 4.8# | 77    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 96.618  | 3.4  | 77    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.735  | 2.5  | 77    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.812  | 0.4  | 78    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.943  | 0.1  | 77    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 86    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.945  | 8.1  | 77    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 45.126  | 9.7  | 76    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.124  | 5.8  | 77    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.244  | 5.5  | 83    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.597  | 6.8  | 77    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 45.367  | 9.3  | 77    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 45.976  | 8.0  | 77    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 46.412  | 7.2  | 77    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.555  | 4.9  | 77    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 46.062  | 7.9  | 77    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 47.888  | 4.2  | 79    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.650  | 6.7  | 78    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.921  | 8.2  | 77    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 46.429  | 7.1  | 76    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.852  | 4.3  | 78    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.289  | 5.4  | 78    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.410  | 9.2  | 76    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.422  | 7.2  | 77    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.997  | 4.0  | 78    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 45.511  | 9.0  | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 44.903  | 10.2 | 76    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 42.321  | 15.4 | 74    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 46.160  | 7.7  | 76    | 0.00     |

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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) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 45.141 | 9.7  | 76    | 0.00     |

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