

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041422\  
 Data File : VY008323.D  
 Acq On : 14 Apr 2022 12:12  
 Operator : KP/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 15 06:12:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 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   | 103   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.191  | 17.6  | 103   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.345  | -0.7  | 107   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.433  | 9.1#  | 109   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.585  | -1.2  | 116   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 46.609  | 6.8   | 111   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.710  | 6.6   | 111   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.981  | 6.0   | 112   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.079  | 5.8   | 109   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.477  | -1.0  | 114   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 268.531 | -7.4  | 129   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.779  | 6.4#  | 110   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 195.858 | 21.7  | 71    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 49.385  | 1.2   | 111   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 237.426 | 5.0   | 110   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 259.703 | -3.9  | 116   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.263  | 13.5  | 104   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 54.828  | -9.7  | 113   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.120  | -0.2  | 114   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.201  | 1.6   | 107   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.358  | 3.3   | 112   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.593  | -1.2  | 112   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 253.525 | -1.4  | 112   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 51.285  | -2.6  | 116   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 252.154 | -0.9  | 117   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.432  | -6.9  | 118   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.305  | -0.6  | 113   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 44.532  | 10.9  | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 243.003 | 2.8   | 111   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.086  | -2.2# | 116   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.386  | 11.2  | 107   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.606  | -3.2  | 115   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 41.318  | 17.4  | 97    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 102   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 44.726  | 10.5  | 98    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.642  | -1.3  | 111   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.631  | 0.7   | 111   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 52.137  | -4.3  | 113   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.053  | 1.9   | 108   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.667  | -3.3  | 114   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.884  | 2.2   | 103   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.727  | -1.5  | 112   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.822  | -3.6  | 116   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 51.119  | -2.2  | 112   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.295  | -4.6# | 114   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.138  | -2.3  | 112   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.130  | -6.3  | 115   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.657  | -3.3  | 117   | 0.00     |

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 LabSampleId :  
 VSTDCCC050

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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 | 1075.762 | -7.6  | 113   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 45.766   | 8.5   | 99    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 262.760  | -5.1  | 117   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.824   | -3.6# | 112   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.506   | -5.0  | 113   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.434   | -4.9  | 113   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.601   | -3.2  | 112   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.389   | -6.8  | 114   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.288   | -2.6  | 112   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 205.237  | 17.9  | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 265.360  | -6.1  | 117   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.062   | -6.1  | 113   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.710   | -1.4  | 110   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 44.369   | 11.3  | 99    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 51.739   | -3.5  | 111   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.320   | -6.6  | 113   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.447   | -8.9  | 112   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.547   | -9.1# | 114   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.541  | -11.5 | 116   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.693   | -11.4 | 115   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.640   | -15.3 | 117   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.523   | -7.0  | 109   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 55.577   | -11.2 | 116   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 55.133   | -10.3 | 119   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.283   | -6.6  | 114   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.057   | 5.9   | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.409   | -2.8  | 110   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 55.205   | -10.4 | 115   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 55.227   | -10.5 | 117   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 55.734   | -11.5 | 116   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.767   | -11.5 | 116   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.883   | -11.8 | 118   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 54.991   | -10.0 | 114   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.599   | -13.2 | 117   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.320   | -12.6 | 117   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 57.078   | -14.2 | 116   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 55.151   | -10.3 | 114   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 55.170   | -10.3 | 115   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 55.304   | -10.6 | 114   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 55.497   | -11.0 | 114   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.365   | -8.7  | 113   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.081   | -4.2  | 110   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.388   | 3.2   | 105   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.214   | 5.6   | 103   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.466   | 3.1   | 105   | 0.00     |

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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 | 47.138 | 5.7  | 103   | 0.00     |

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