

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011122\  
 Data File : VY007126.D  
 Acq On : 11 Jan 2022 20:54  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Jan 12 05:10:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 10 03:29:44 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    | 81    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 56.867  | -13.7  | 87    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 57.288  | -14.6  | 99    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 52.398  | -4.8#  | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.162  | -4.3   | 82    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 53.829  | -7.7   | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 54.276  | -8.6   | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.829  | -5.7   | 85    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.288  | 1.4    | 80    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.185  | 1.6    | 79    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 281.537 | -12.6  | 91    | 0.03     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.401  | 3.2#   | 79    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 241.315 | 3.5    | 78    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.525  | -3.0   | 83    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 288.208 | -15.3  | 90    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 309.172 | -23.7  | 102   | 0.01     |
| 17 T  | Carbon Disulfide            | 50.000  | 48.414  | 3.2    | 78    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 58.825  | -17.7  | 101   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 54.590  | -9.2   | 87    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 53.667  | -7.3   | 83    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.115  | 1.8    | 80    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 54.147  | -8.3   | 87    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 293.883 | -17.6  | 91    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 52.009  | -4.0   | 84    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 311.775 | -24.7  | 102   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.766  | 6.5    | 77    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.810  | 0.4    | 81    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 62.676  | -25.4# | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 301.505 | -20.6  | 95    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.422  | -2.8#  | 83    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.511  | 5.0    | 80    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.956  | 0.1    | 81    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.851  | -3.7   | 89    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 83    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.859  | 2.3    | 85    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.835  | 4.3    | 78    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 59.470  | -18.9  | 96    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.369  | 3.3    | 79    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.111  | 5.8    | 77    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.323  | 1.4    | 81    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 61.143  | -22.3  | 107   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.540  | -9.1   | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 59.593  | -19.2  | 96    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 47.294  | 5.4    | 78    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 51.375  | -2.8#  | 84    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.778  | -5.6   | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.668  | -3.3   | 85    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 58.855  | -17.7  | 92    | 0.00     |

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 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
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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 | 1311.876 | -31.2# | 109   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 47.614   | 4.8    | 83    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 313.990  | -25.6# | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.888   | 2.2#   | 80    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.293   | -4.6   | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.770   | -1.5   | 82    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.024   | -6.0   | 86    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 56.529   | -13.1  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.021   | -6.0   | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 276.840  | -10.7  | 92    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 327.585  | -31.0# | 104   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.777   | -3.6   | 84    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.213   | -6.4   | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.537   | 6.9    | 82    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 83    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.952   | 2.1    | 81    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.488   | 1.0    | 81    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.268   | -0.5   | 82    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.542   | 2.9#   | 79    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 95.626   | 4.4    | 78    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.509   | 3.0    | 79    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.093   | -0.2   | 80    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.046   | -12.1  | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 83    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 46.838   | 6.3    | 77    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 60.929   | -21.9  | 97    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 56.792   | -13.6  | 92    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 60.848   | -21.7  | 100   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.647   | 2.7    | 79    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 46.760   | 6.5    | 76    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.748   | 4.5    | 78    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 46.345   | 7.3    | 76    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.120   | -10.2  | 88    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.948   | 4.1    | 78    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.604   | 8.8    | 75    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.663   | 4.7    | 78    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.008   | 10.0   | 74    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 45.424   | 9.2    | 75    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.883   | 2.2    | 80    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.493   | 3.0    | 80    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.706   | 10.6   | 73    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 46.184   | 7.6    | 76    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.132   | -0.3   | 82    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 61.211   | -22.4  | 99    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.202   | -2.4   | 84    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 44.100   | 11.8   | 74    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 59.808   | -19.6  | 95    | 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 | 53.608 | -7.2 | 86    | 0.00     |

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