

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090822\  
 Data File : VY010383.D  
 Acq On : 08 Sep 2022 09:08  
 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: Sep 08 16:22:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 02 16:41:46 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    | 71    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.464  | 11.1   | 70    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.164  | -0.3   | 77    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 55.991  | -12.0# | 81    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 68.529  | -37.1# | 87    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 60.290  | -20.6  | 86    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.275  | -0.5   | 72    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 45.396  | 9.2    | 66    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.731  | 2.5    | 71    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 53.166  | -6.3   | 71    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 210.961 | 15.6   | 68    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.353  | 5.3#   | 69    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 294.691 | -17.9  | 84    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 41.267  | 17.5   | 59    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 221.293 | 11.5   | 65    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 273.393 | -9.4   | 68    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.302  | 13.4   | 64    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 41.696  | 16.6   | 62    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.539  | 8.9    | 66    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.737  | 10.5   | 69    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.780  | 4.4    | 69    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 44.108  | 11.8   | 63    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 221.503 | 11.4   | 63    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.773  | 8.5    | 65    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 230.682 | 7.7    | 65    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.212  | 3.6    | 69    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.283  | 3.4    | 68    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.991  | 4.0    | 65    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 211.511 | 15.4   | 62    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.700  | 2.6#   | 69    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 40.979  | 18.0   | 62    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.335  | 1.3    | 71    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.124  | 3.8    | 67    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 67    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.639  | 6.7    | 68    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.572  | 0.9    | 67    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 45.205  | 9.6    | 63    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.519  | -7.0   | 73    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.459  | 5.1    | 65    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.967  | 0.1    | 68    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 54.219  | -8.4   | 82    | 0.02     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.385  | -0.8   | 69    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 44.682  | 10.6   | 62    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.520  | -5.0   | 71    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.779  | 4.4#   | 65    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.151  | -2.3   | 71    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.076  | -2.2   | 69    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 43.009  | 14.0   | 58    | 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 | 997.860 | 0.2   | 72    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 53.231  | -6.5  | 66    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 234.744 | 6.1   | 64    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.581  | -1.2# | 69    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.764  | 2.5   | 66    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.746  | 2.5   | 66    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.645  | -1.3  | 70    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 46.601  | 6.8   | 63    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.260  | 1.5   | 67    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 206.455 | 17.4  | 64    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 243.405 | 2.6   | 65    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.827  | -5.7  | 72    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.288  | -2.6  | 70    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.108  | 7.8   | 66    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 68    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.111  | -6.2  | 73    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 51.180  | -2.4  | 70    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.491  | -5.0  | 72    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.607  | -1.2# | 69    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.111 | -4.1  | 71    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.091  | -2.2  | 70    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.411  | -2.8  | 70    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 52.799  | -5.6  | 73    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 72    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.627  | 2.7   | 70    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 43.663  | 12.7  | 64    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.583  | 6.8   | 69    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 39.976  | 20.0  | 57    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.039  | -0.1  | 73    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 48.490  | 3.0   | 70    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.740  | 4.5   | 69    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.704  | 2.6   | 70    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.724  | 10.6  | 64    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.427  | 5.1   | 68    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.885  | 2.2   | 71    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.272  | 1.5   | 71    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.419  | 1.2   | 71    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.753  | -1.5  | 72    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 51.303  | -2.6  | 74    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.856  | -1.7  | 74    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.048  | 1.9   | 71    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.264  | 1.5   | 71    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.723  | -1.4  | 74    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 43.728  | 12.5  | 67    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.381  | -2.8  | 76    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 52.382  | -4.8  | 78    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.006  | 2.0   | 73    | 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 | 51.634 | -3.3 | 77    | 0.00     |

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