

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021023\  
 Data File : VY012575.D  
 Acq On : 10 Feb 2023 15:54  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 10 22:48:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020723S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 08 01:09:03 2023  
 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   | 93    | -0.01    |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.144  | 3.7   | 94    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.267  | 9.5   | 95    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.583  | 6.8#  | 95    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 49.959  | 0.1   | 95    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.158  | 3.7   | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.059  | 3.9   | 96    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.124  | 7.8   | 93    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.707  | 0.6   | 96    | -0.01    |
| 10 T  | Methyl Iodide               | 50.000  | 51.725  | -3.5  | 94    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 160.563 | 35.8# | 73    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.753  | 4.5#  | 95    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 219.240 | 12.3  | 92    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.780  | 4.4   | 93    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 218.364 | 12.7  | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 231.990 | 7.2   | 89    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.715  | 14.6  | 88    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 40.369  | 19.3  | 88    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 47.546  | 4.9   | 93    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.834  | -1.7  | 95    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.309  | 3.4   | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.665  | -1.3  | 96    | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 240.690 | 3.7   | 92    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.662  | 0.7   | 97    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 216.089 | 13.6  | 88    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.728  | 0.5   | 97    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.072  | -0.1  | 97    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.184  | -4.4  | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 212.937 | 14.8  | 87    | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 50.023  | -0.0# | 97    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.287  | 9.4   | 92    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.400  | -0.8  | 97    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.723  | 2.6   | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.599  | -5.2  | 95    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.359  | 1.3   | 94    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 42.828  | 14.3  | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.287  | -2.6  | 98    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 48.543  | 2.9   | 92    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.830  | 0.3   | 96    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.039  | 5.9   | 83    | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.700  | 0.6   | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 44.617  | 10.8  | 88    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.591  | 0.8   | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.825  | 0.3#  | 94    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.338  | 3.3   | 95    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.579  | -1.2  | 96    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 45.098  | 9.8   | 89    | 0.00     |

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 ALS Vial : 8 Sample Multiplier: 1

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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 | 933.820 | 6.6   | 94    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 52.706  | -5.4  | 96    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 221.358 | 11.5  | 88    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.988  | -2.0# | 97    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.808  | 0.4   | 94    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.320  | -0.6  | 95    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.781  | 0.4   | 96    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.015  | 4.0   | 92    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.091  | 3.8   | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 246.778 | 1.3   | 95    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 223.522 | 10.6  | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.383  | -0.8  | 95    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.683  | 4.6   | 93    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.115  | -0.2  | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.225  | -8.5  | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.787  | -1.6  | 96    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.697  | -3.4  | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.312  | -2.6# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.206 | -4.2  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.781  | -3.6  | 95    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.363  | -4.7  | 97    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 49.656  | 0.7   | 95    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.623  | -3.2  | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 44.962  | 10.1  | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.840  | 10.3  | 91    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 46.029  | 7.9   | 94    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.425  | -0.8  | 98    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.630  | -3.3  | 97    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.212  | -2.4  | 97    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.386  | -2.8  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.866  | 8.3   | 91    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.113  | -2.2  | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.226  | -4.5  | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.469  | -2.9  | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.420  | -4.8  | 98    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.448  | -4.9  | 97    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.987  | -2.0  | 98    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 50.305  | -0.6  | 97    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.036  | -4.1  | 95    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.374  | -2.7  | 97    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.143  | -0.3  | 97    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 43.695  | 12.6  | 91    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.293  | -2.6  | 98    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.713  | -3.4  | 99    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.203  | 3.6   | 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 | 50.403 | -0.8 | 97    | 0.00     |

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