

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042524\  
 Data File : VY018041.D  
 Acq On : 25 Apr 2024 10:54  
 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 26 01:57:29 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:24:42 2024  
 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    | 91    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 56.330  | -12.7  | 106   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 41.823  | 16.4   | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.625  | 10.8#  | 81    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.210  | 5.6    | 85    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 44.791  | 10.4   | 83    | 0.01     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.995  | -4.0   | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 48.920  | 2.2    | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.406  | -4.8   | 95    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 53.857  | -7.7   | 95    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 199.128 | 20.3   | 73    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 54.044  | -8.1#  | 97    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 243.308 | 2.7    | 91    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.215  | -6.4   | 94    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 234.937 | 6.0    | 84    | 0.01     |
| 16 T  | Acetone                     | 250.000 | 236.230 | 5.5    | 83    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.943  | 0.1    | 91    | 0.01     |
| 18 T  | Methyl Acetate              | 50.000  | 41.892  | 16.2   | 81    | 0.01     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.758  | 2.5    | 85    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 50.987  | -2.0   | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.306  | -6.6   | 95    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.339  | -6.7   | 92    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 250.319 | -0.1   | 86    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.134  | -6.3   | 95    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 235.769 | 5.7    | 81    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 56.292  | -12.6  | 99    | 0.01     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.417  | -8.8   | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.503  | 3.0    | 87    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 226.090 | 9.6    | 80    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.081  | -6.2#  | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 51.345  | -2.7   | 93    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 55.435  | -10.9  | 98    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.349  | 5.3    | 82    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 54.400  | -8.8   | 88    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 56.321  | -12.6  | 94    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.484  | 3.0    | 81    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 60.226  | -20.5  | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 56.897  | -13.8  | 92    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 56.865  | -13.7  | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.521  | 7.0    | 77    | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.591  | -3.2   | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.038  | 3.9    | 79    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 59.226  | -18.5  | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.353  | -10.7# | 92    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.714  | -5.4   | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.685  | -11.4  | 92    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.180  | 1.6    | 80    | 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  
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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 | 998.499 | 0.2    | 82    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 58.188  | -16.4  | 92    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.432 | -0.6   | 82    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 59.436  | -18.9# | 98    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 55.963  | -11.9  | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.292  | -12.6  | 92    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.250  | -8.5   | 91    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.062  | -6.1   | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.058  | -8.1   | 90    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 247.089 | 1.2    | 82    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 262.709 | -5.1   | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 56.834  | -13.7  | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.011  | -6.0   | 88    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.524  | -11.0  | 88    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 86    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 60.582  | -21.2  | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 58.870  | -17.7  | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 59.437  | -18.9  | 98    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 60.181  | -20.4# | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 121.984 | -22.0  | 98    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 61.348  | -22.7  | 98    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 61.781  | -23.6  | 97    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.589  | -11.2  | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 86    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 61.261  | -22.5  | 98    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 50.859  | -1.7   | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.488  | -1.0   | 85    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.006  | -0.0   | 85    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 59.283  | -18.6  | 96    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 60.276  | -20.6  | 96    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 59.117  | -18.2  | 96    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 60.467  | -20.9  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.281  | -4.6   | 85    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 58.281  | -16.6  | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 61.845  | -23.7  | 98    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 59.916  | -19.8  | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 59.729  | -19.5  | 95    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 60.520  | -21.0  | 96    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 58.195  | -16.4  | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 57.129  | -14.3  | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.611  | -17.2  | 92    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 58.631  | -17.3  | 97    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 57.265  | -14.5  | 94    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.692  | 2.6    | 82    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.878  | -9.8   | 90    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.234  | -10.5  | 91    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.654  | -5.3   | 84    | 0.00     |

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ALS Vial : 2 Sample Multiplier: 1

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MSVOA\_Y  
LabSampleId :  
VSTDCCC050

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Quant Title : SW846 8260  
QLast Update : Wed Apr 17 06:24:42 2024  
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 | 53.774 | -7.5 | 88    | 0.00     |

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