

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\YY112223\  
 Data File : VY016472.D  
 Acq On : 22 Nov 2023 19:04  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 23 04:10:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 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   | 81    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.260  | 3.5   | 84    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.823  | 8.4   | 79    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.222  | 7.6#  | 79    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.244  | -4.5  | 90    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.541  | 4.9   | 81    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.600  | -7.2  | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.348  | -4.7  | 86    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.780  | -1.6  | 86    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 56.179  | -12.4 | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 235.611 | 5.8   | 79    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.795  | -3.6# | 86    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 176.435 | 29.4# | 56    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.328  | 9.3   | 73    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 249.888 | 0.0   | 79    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 240.106 | 4.0   | 82    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 51.058  | -2.1  | 85    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.418  | 1.2   | 79    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.918  | -3.8  | 83    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 61.740  | -23.5 | 96    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.501  | -7.0  | 90    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.752  | 6.5   | 75    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 227.171 | 9.1   | 71    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.622  | -1.2  | 83    | -0.01    |
| 25 T  | 2-Butanone                  | 250.000 | 228.869 | 8.5   | 74    | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.079  | 1.8   | 81    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 54.563  | -9.1  | 90    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.838  | -9.7  | 90    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 235.319 | 5.9   | 74    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 54.379  | -8.8# | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.491  | 11.0  | 76    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.371  | -8.7  | 90    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.690  | -3.4  | 86    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 82    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 56.919  | -13.8 | 93    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.566  | -1.1  | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.660  | 6.7   | 75    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.352  | -12.7 | 92    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.551  | -1.1  | 82    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.644  | -7.3  | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.265  | 1.5   | 82    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.276  | -8.6  | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.904  | 8.2   | 72    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 56.261  | -12.5 | 92    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.143  | -4.3# | 83    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.616  | -11.2 | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.979  | -10.0 | 88    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 47.283  | 5.4   | 73    | 0.00     |

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 ALS Vial : 27 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 | 1134.546 | -13.5  | 88    | -0.01    |
| 50 S  | Toluene-d8                  | 50.000   | 52.319   | -4.6   | 86    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 231.978  | 7.2    | 73    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.383   | -10.8# | 89    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.370   | -6.7   | 84    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.325   | -8.7   | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 56.124   | -12.2  | 89    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 55.002   | -10.0  | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.720   | -9.4   | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 272.811  | -9.1   | 80    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 215.388  | 13.8   | 72    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 59.757   | -19.5  | 94    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.077   | -14.2  | 90    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.726   | -11.5  | 92    | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 84    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 59.500   | -19.0  | 99    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.140   | -8.3   | 91    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 56.487   | -13.0  | 94    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 53.215   | -6.4#  | 88    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 108.935  | -8.9   | 90    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.176   | -10.4  | 89    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.515   | -13.0  | 92    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 58.577   | -17.2  | 95    | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 89    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 51.421   | -2.8   | 90    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 41.718   | 16.6   | 70    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.092   | 1.8    | 86    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.372   | -2.7   | 96    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.557   | -9.1   | 95    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.032   | -0.1   | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.108   | -2.2   | 89    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.350   | -4.7   | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.792   | 4.4    | 84    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 51.511   | -3.0   | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.819   | -3.6   | 90    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.751   | -5.5   | 92    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.904   | -1.8   | 89    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.858   | -5.7   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.698   | -7.4   | 96    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 53.910   | -7.8   | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.547   | -1.1   | 87    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 53.501   | -7.0   | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 55.475   | -11.0  | 98    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.248   | 3.5    | 89    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 57.759   | -15.5  | 102   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 58.499   | -17.0  | 104   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 57.414   | -14.8  | 100   | 0.00     |

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ALS Vial : 27 Sample Multiplier: 1

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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 | 58.357 | -16.7 | 106   | 0.00     |

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