

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011224\  
 Data File : VY016999.D  
 Acq On : 12 Jan 2024 17:41  
 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 13 00:08:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 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     | 39    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 81.882  | -63.8#  | 58    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 93.682  | -87.4#  | 71    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 91.322  | -82.6#  | 68    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 103.272 | -106.5# | 82    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 98.667  | -97.3#  | 74    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 90.680  | -81.4#  | 68    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 105.934 | -111.9# | 77    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 89.609  | -79.2#  | 68    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 91.267  | -82.5#  | 63    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 730.650 | -192.3# | 99    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 90.725  | -81.4#  | 68    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 406.719 | -62.7#  | 63    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 95.804  | -91.6#  | 70    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 552.389 | -121.0# | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 551.273 | -120.5# | 79    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 79.210  | -58.4#  | 56    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 130.273 | -160.5# | 87    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 116.283 | -132.6# | 84    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 108.837 | -117.7# | 70    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 94.693  | -89.4#  | 69    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 106.122 | -112.2# | 75    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 517.899 | -107.2# | 76    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 100.096 | -100.2# | 74    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 574.034 | -129.6# | 83    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 96.061  | -92.1#  | 72    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 104.504 | -109.0# | 77    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 114.158 | -128.3# | 77    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 570.989 | -128.4# | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 103.733 | -107.5# | 77    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 81.477  | -63.0#  | 61    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 99.711  | -99.4#  | 74    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 104.243 | -108.5# | 80    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0     | 41    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 98.914  | -97.8#  | 78    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 90.531  | -81.1#  | 68    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 108.168 | -116.3# | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 94.416  | -88.8#  | 72    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 89.727  | -79.5#  | 65    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 95.279  | -90.6#  | 72    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 117.396 | -134.8# | 98    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 104.323 | -108.6# | 81    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 112.682 | -125.4# | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 97.023  | -94.0#  | 74    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 100.154 | -100.3# | 76    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 106.033 | -112.1# | 81    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 104.975 | -109.9# | 81    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 113.269 | -126.5# | 83    | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 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) |
|-------|-----------------------------|----------|----------|---------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 2447.142 | -144.7# | 96    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 97.442   | -94.9#  | 74    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 596.997  | -138.8# | 88    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 100.109  | -100.2# | 75    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 107.839  | -115.7# | 81    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 104.004  | -108.0# | 78    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 108.712  | -117.4# | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 120.694  | -141.4# | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 106.848  | -113.7# | 82    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 511.643  | -104.7# | 84    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 558.325  | -123.3# | 88    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 109.427  | -118.9# | 83    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 111.202  | -122.4# | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 102.187  | -104.4# | 81    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0     | 42    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 96.985   | -94.0#  | 77    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 97.871   | -95.7#  | 78    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 102.134  | -104.3# | 80    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 99.304   | -98.6#  | 76    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 199.698  | -99.7#  | 76    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 103.126  | -106.3# | 78    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 106.139  | -112.3# | 78    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 112.405  | -124.8# | 87    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0     | 45    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 93.846   | -87.7#  | 77    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 106.497  | -113.0# | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 101.569  | -103.1# | 89    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 96.227   | -92.5#  | 74    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 96.544   | -93.1#  | 83    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 92.432   | -84.9#  | 76    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 93.297   | -86.6#  | 79    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 95.476   | -91.0#  | 78    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 97.485   | -95.0#  | 85    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 94.444   | -88.9#  | 80    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 99.519   | -99.0#  | 83    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 97.539   | -95.1#  | 80    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 95.070   | -90.1#  | 78    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 96.996   | -94.0#  | 79    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 93.759   | -87.5#  | 80    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 94.706   | -89.4#  | 82    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 95.448   | -90.9#  | 78    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 92.320   | -84.6#  | 79    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 96.166   | -92.3#  | 82    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 107.419  | -114.8# | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 105.041  | -110.1# | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 88.396   | -76.8#  | 75    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 243.203  | -386.4# | 286   | 0.00     |

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Sample : VSTDCCC050  
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ALS Vial : 17 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 | 107.358 | -114.7# | 88    | 0.00     |

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