

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020223\  
 Data File : VY012465.D  
 Acq On : 02 Feb 2023 18:57  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 03 03:13:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 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    | 85    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 39.432  | 21.1   | 78    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 42.732  | 14.5   | 79    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.695  | 8.6#   | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.014  | 8.0    | 85    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.231  | 1.5    | 89    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.978  | 0.0    | 92    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 53.032  | -6.1   | 94    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 52.076  | -4.2   | 97    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.683  | 4.6    | 80    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 368.190 | -47.3# | 131   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.010  | -2.0#  | 90    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 282.816 | -13.1  | 107   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.805  | -1.6   | 90    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 315.952 | -26.4# | 109   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 269.899 | -8.0   | 82    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.403  | 13.2   | 78    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 60.943  | -21.9  | 107   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 57.774  | -15.5  | 98    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.202  | 1.6    | 85    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.059  | -2.1   | 89    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 57.237  | -14.5  | 100   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 297.611 | -19.0  | 101   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 54.785  | -9.6   | 96    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 300.248 | -20.1  | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.058  | -6.1   | 94    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.094  | -10.2  | 96    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.614  | 4.8    | 87    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 328.178 | -31.3# | 110   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 55.304  | -10.6# | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.853  | 2.3    | 95    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.161  | -8.3   | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.835  | 2.3    | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 83    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 47.516  | 5.0    | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.256  | -6.5   | 93    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 62.771  | -25.5# | 105   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.609  | -7.2   | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.808  | -7.6   | 95    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.632  | -9.3   | 95    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 50.717  | -1.4   | 81    | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 56.987  | -14.0  | 96    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 63.133  | -26.3# | 105   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 55.292  | -10.6  | 96    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 57.795  | -15.6# | 100   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 58.791  | -17.6  | 99    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 58.667  | -17.3  | 100   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 62.300  | -24.6  | 100   | 0.00     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 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 | 1421.860 | -42.2# | 113   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.756   | 6.5    | 80    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 333.547  | -33.4# | 110   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 55.707   | -11.4# | 95    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 58.608   | -17.2  | 98    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 57.431   | -14.9  | 96    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 61.194   | -22.4  | 103   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 63.831   | -27.7# | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 60.300   | -20.6  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 281.485  | -12.6  | 96    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 324.057  | -29.6# | 102   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 60.181   | -20.4  | 99    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 60.555   | -21.1  | 101   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.089   | 3.8    | 89    | 0.00     |
|       |                             |          |          |        |       |          |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 86    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 57.666   | -15.3  | 100   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.901   | -9.8   | 98    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.219   | -14.4  | 99    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.914   | -9.8#  | 96    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 110.903  | -10.9  | 97    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.737   | -11.5  | 97    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.581   | -13.2  | 98    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 60.804   | -21.6  | 104   | 0.00     |
|       |                             |          |          |        |       |          |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 89    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 53.584   | -7.2   | 99    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 58.702   | -17.4  | 104   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 58.611   | -17.2  | 106   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 62.937   | -25.9# | 102   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.981   | -8.0   | 98    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.187   | -6.4   | 100   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 52.606   | -5.2   | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 53.471   | -6.9   | 99    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 58.192   | -16.4  | 103   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.914   | -5.8   | 99    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.882   | -5.8   | 100   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.449   | -6.9   | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.399   | -6.8   | 100   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.708   | -7.4   | 101   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 53.354   | -6.7   | 99    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 52.836   | -5.7   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 53.444   | -6.9   | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.033   | -8.1   | 102   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 53.738   | -7.5   | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 59.779   | -19.6  | 108   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 53.988   | -8.0   | 102   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 54.094   | -8.2   | 105   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 58.939   | -17.9  | 106   | 0.00     |

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LabSampleId :  
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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 | 54.980 | -10.0 | 105   | 0.00     |

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