

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102122\  
 Data File : VY011057.D  
 Acq On : 21 Oct 2022 17:46  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 22 01:24:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101722S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 18 01:42:42 2022  
 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    | 86    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.338  | 5.3    | 85    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.681  | 6.6    | 85    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.150  | 1.7#   | 87    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.761  | 4.5    | 91    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.353  | -2.7   | 92    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.824  | -3.6   | 92    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.858  | -3.7   | 90    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.655  | -7.3   | 94    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.314  | -4.6   | 87    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 253.795 | -1.5   | 92    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 51.241  | -2.5#  | 90    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 269.136 | -7.7   | 93    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.901  | -3.8   | 90    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 244.553 | 2.2    | 85    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 216.956 | 13.2   | 76    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.044  | 13.9   | 78    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 48.112  | 3.8    | 85    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.635  | -7.3   | 91    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 58.902  | -17.8  | 101   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.175  | -2.3   | 89    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.590  | -13.2  | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 271.381 | -8.6   | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.248  | -10.5  | 96    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 231.765 | 7.3    | 81    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 53.646  | -7.3   | 94    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.244  | -10.5  | 95    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 54.997  | -10.0  | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 240.931 | 3.6    | 83    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 56.349  | -12.7# | 96    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.386  | 5.2    | 87    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.726  | -9.5   | 95    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.129  | 9.7    | 80    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 85    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.175  | -0.3   | 86    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 52.639  | -5.3   | 91    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.449  | 1.1    | 84    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 54.647  | -9.3   | 94    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 51.803  | -3.6   | 89    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 53.596  | -7.2   | 92    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.714  | -5.4   | 99    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.087  | -8.2   | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.636  | -3.3   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 53.488  | -7.0   | 93    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 56.185  | -12.4# | 95    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.520  | -7.0   | 91    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 56.998  | -14.0  | 96    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.349  | -2.7   | 85    | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 22 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 | 967.669 | 3.2    | 82    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 45.832  | 8.3    | 79    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 254.638 | -1.9   | 85    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.806  | -9.6#  | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.289  | -8.6   | 92    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 55.429  | -10.9  | 93    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 54.738  | -9.5   | 93    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.410  | -8.8   | 89    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.071  | -8.1   | 91    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 277.568 | -11.0  | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 249.608 | 0.2    | 82    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.088  | -10.2  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.134  | -4.3   | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 47.976  | 4.0    | 83    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 85    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.789  | -9.6   | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 54.962  | -9.9   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.165  | -14.3  | 97    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.968  | -11.9# | 94    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 111.793 | -11.8  | 94    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 56.349  | -12.7  | 94    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.157  | -14.3  | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.624  | -7.2   | 90    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 56.586  | -13.2  | 95    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.218  | -4.4   | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.567  | -3.1   | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.840  | 2.3    | 85    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 55.048  | -10.1  | 94    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 56.227  | -12.5  | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 55.949  | -11.9  | 95    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 56.434  | -12.9  | 94    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.743  | -1.5   | 84    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 55.066  | -10.1  | 94    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 58.049  | -16.1  | 96    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 56.625  | -13.3  | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 56.905  | -13.8  | 94    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 56.613  | -13.2  | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 54.848  | -9.7   | 94    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 54.299  | -8.6   | 93    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 57.166  | -14.3  | 94    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 56.319  | -12.6  | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.549  | -9.1   | 93    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.912  | 4.2    | 84    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.108  | -8.2   | 91    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 55.618  | -11.2  | 95    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.813  | -3.6   | 84    | 0.00     |

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ALS Vial : 22 Sample Multiplier: 1

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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 | 53.649 | -7.3 | 89    | 0.00     |

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