

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022522\  
 Data File : VY007652.D  
 Acq On : 25 Feb 2022 21:15  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 28 00:00:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022322S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 24 07:13:58 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   | 75    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 47.562  | 4.9   | 88    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 53.209  | -6.4  | 97    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 51.826  | -3.7# | 93    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 62.226  | -24.5 | 93    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 54.704  | -9.4  | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.994  | -2.0  | 91    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 44.875  | 10.3  | 77    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.756  | 6.5   | 82    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 53.335  | -6.7  | 84    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 212.555 | 15.0  | 73    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.842  | 8.3#  | 78    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 125.106 | 50.0# | 44    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 44.478  | 11.0  | 75    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 211.855 | 15.3  | 72    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 208.645 | 16.5  | 71    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.544  | 14.9  | 78    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 39.922  | 20.2  | 71    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.962  | 2.1   | 84    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.001  | 8.0   | 76    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.292  | 5.4   | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 43.040  | 13.9  | 77    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 235.072 | 6.0   | 79    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.970  | 8.1   | 79    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 207.051 | 17.2  | 72    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.028  | 3.9   | 84    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 45.274  | 9.5   | 78    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 42.776  | 14.4  | 74    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 204.901 | 18.0  | 75    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.240  | 1.5#  | 86    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 44.631  | 10.7  | 75    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.314  | -2.6  | 91    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 44.513  | 11.0  | 78    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 73    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 48.058  | 3.9   | 80    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 46.291  | 7.4   | 80    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.967  | 2.1   | 88    | 0.01     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.248  | -6.5  | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.790  | 4.4   | 76    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 45.718  | 8.6   | 78    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.326  | 7.3   | 72    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.472  | -0.9  | 85    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.922  | 6.2   | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 48.737  | 2.5   | 84    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 44.135  | 11.7# | 74    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.602  | -3.2  | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.457  | -2.9  | 86    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.937  | 6.1   | 81    | 0.00     |

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 Sample : VSTDCCC050  
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 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

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 Quant Title : SW846 8260  
 QLast Update : Thu Feb 24 07:13:58 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) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 960.388 | 4.0   | 83    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 45.227  | 9.5   | 85    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 250.555 | -0.2  | 84    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.048  | 3.9#  | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.534  | 4.9   | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 47.045  | 5.9   | 80    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.560  | 6.9   | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.611  | 4.8   | 83    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.320  | 7.4   | 80    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 204.530 | 18.2  | 64    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 240.233 | 3.9   | 83    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.057  | -6.1  | 89    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.232  | 5.5   | 81    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 45.362  | 9.3   | 85    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 75    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 56.116  | -12.2 | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.465  | 1.1   | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.154  | -2.3  | 86    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.323  | -0.6# | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 98.106  | 1.9   | 87    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.749  | 0.5   | 89    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.311  | 1.4   | 87    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.620  | -3.2  | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 83    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.488  | 3.0   | 90    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.899  | -3.8  | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.407  | 5.2   | 87    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.634  | 4.7   | 87    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.501  | 5.0   | 88    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.114  | 1.8   | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 48.088  | 3.8   | 91    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.867  | 0.3   | 91    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 42.835  | 14.3  | 78    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.677  | 2.6   | 89    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.054  | -0.1  | 91    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.209  | -2.4  | 94    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.811  | 2.4   | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.143  | -0.3  | 91    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.781  | 0.4   | 91    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.559  | -3.1  | 95    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 48.680  | 2.6   | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 52.541  | -5.1  | 95    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.462  | 1.1   | 90    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.636  | -1.3  | 87    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 50.220  | -0.4  | 90    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 49.554  | 0.9   | 86    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.384  | -2.8  | 90    | 0.00     |

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Quant Title : SW846 8260  
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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 | 50.847 | -1.7 | 90    | 0.00     |

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